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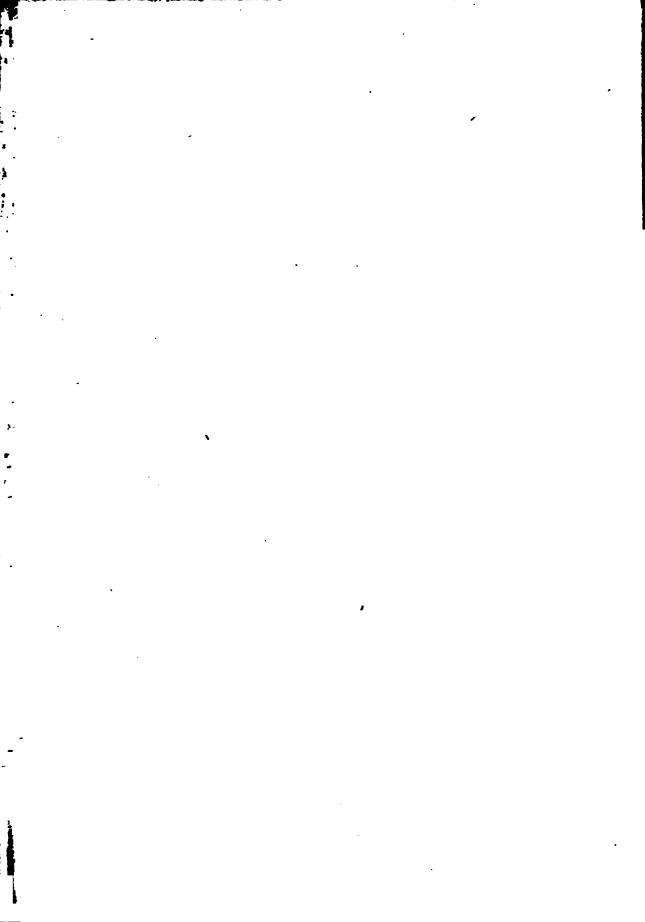
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# **BULLETIN**

OF THE

# NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

VOLUME VI JANUARY TO DECEMBER 1902

> **NEW YORK** 1902

B888.2.40

The Library

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OF THE

# NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

# Volume VI · Number 1 January 1902

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NEW YORK 1902

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## BULLETIN

OF THE

## NEW YORK PUBLIC LIBRARY

#### ASTOR LENOX AND TILDEN FOUNDATIONS

Vol. VI.

JANUARY, 1902.

No. 1.

#### REPORT FOR DECEMBER.

## REFERENCE DEPARTMENT.

The following table shows the operations of the Reference Department of the New York Public Library for December, 1901, with the corresponding figures for the last six months, as compared with the corresponding six months of 1900:

	DEC., 1901.	LAST SIX MONTHS, 1901.	CORRESPONDING MONTHS, 1900.
No. vols. purchased, accessioned	1,187	6,599	8,255
	1,002	6,515	10,731
No. vols. given, "  No. pams. purchased, "	241	1,785	5,501
No. pams. given	1,356	6,062	11,895
No. vols. actually received by purchase	796	4,922	6,274
No. vols. " " gift	761	4,311	7,055
No. pams. " " purchase	141	1,917	3,449
No. pams. " " gift	2,712	18,167	13,263
No. prints " " gift	5	212	1,759
No. maps " " purchase	ŏ	27	0
No. maps " " gift	50	270	260
No. vols. " " exchange	265	739	1,477
No. pams. " " exchange	25,768	39,060	2,739
No. vols. sent out in exchange	80	706	1,657
No. pams. sent out in exchange	194	10,500	10,637
No. vols. sent out for binding	742	2,332	1,976
No. vols. sent to Library binder	106	401	436
No. maps mounted by Library binder	I	3	21
No. books catalogued	4,683	18,771	25,008
No. pams. "	2,450	11,259	15,286
No. cards written	7,815	62,727	91,795
No. slips written for printer	765	6,075	7,217
No. readers and visitors	14,873	78,324	58,301
No. readers, desk applicants	9,975	51,247	
No. vols. consulted	32,961	198,910	286,375
Daily average	506	469	375
No. readers periodical department	2,030	11,336	10,592
Daily average	81	72	68
No. periodicals consulted	19,315	117,595	97,373
(No. from outside rack)	2,946	15,889	
No. readers Russian department	287	1,504	1,012
No. works consulted	677	5,769	6,287

During the calendar year ending December 31, 1901, the number of volumes actually received (including exchanges) was 28,137, and of pamphlets 84,389.

The number of volumes catalogued was 54,071, and of pamphlets 35,018. The total number of cards written was 185,452.

The total number of readers during the calendar year was 163,995, and the number of volumes consulted was 517,483, not including those used at the free reference shelves.

There are now on the shelves of the Astor and Lenox Branches of the Library, available for readers, 552,071 volumes and 190,273 pamphlets.

#### CIRCULATION DEPARTMENT.

The most popular books of the month were (in non-fiction): Thompson's "Lives of the Hunted," Washington's "Up from Slavery," and Wilson's "History Reader;" (adult fiction) Parker's "The Right of Way," Churchill's "The Crisis," and Cable's "The Cavalier;" (juvenile fiction) Wiggin's "Bird's Christmas Carol," Alcott's "Little Women," and Lang's "Violet Fairy Book."

#### CIRCULATION STATISTICS FOR DECEMBER.

	CIRCUL	ATION.	NEW	READERS I	VOLUME	
BRANCHES.	HOME USE. TOTAL.		REGISTRA- TIONS.	MINORS.	TOTAL.	ACCES- SIONED.
Bond Street	12,099	12,470	231	1,328	3,994	66
Ottendorfer	18,993	20,026	324	2,194	4,649	191
George Bruce	13,604	15,857	263	1,649	2,253	93
Jackson Square	12,315	13,542	150	863	3,060	148
Harlem	12,217	13,149	211	1,120	2,003	53
Muhlenberg	9,326	11,111	129	990	1,785	105
Bloomingdale	16,374	18, 108	220	2,090	3,491	215
Riverside	4, 384	5,069	70	955	1,541	0
Yorkville	17,847	18,695	252	545	848	140
Thirty-fourth Street	5,424	7,370	90	1,306	1,946	1
Chatham Square	17,040	17,928	313	719	888	266
St. Agnes	13,163	14,933	190	1,183	3,066	174
Washington Heights	8, 150	10,760	170	3,123	5,023	121
Travelling	16, 188	16, 188	0	0	0	318
Public School No. 30	148	192	7	0	392	0
Public School No. 33	39	39	3	193	317	0
Public School No. 90	428	1,022	23	633	1,139	0
Public School No. 160	216	498	14	5,032	5,490	0
	177.955	196,957	2,660	23,923	41,885	1,891

During the period July-December, 1901, the number of volumes in circulation for home use was 956,139 (of which 4,816 were from the public school reading rooms); the total number of volumes in circulation was 1,047,814 (of which 11,857)

were from the public school reading rooms); the number of new registrations was 15,136 (of which 625 were at the public school reading rooms); the number of readers (minors) was 98,930 (of which 23,904 were at the public school reading rooms), the total number of readers being 217,967 (of which 39,208 were at the public school reading rooms); and the number of volumes accessioned was 10,095 (of which 1,717 were at the public school reading rooms).

During the calendar year ending December 31, 1901, the number of volumes actually received in the Circulation Department was 22,458.

The total number of readers in the library reading rooms was 421,692, reference books in the halls being used by 195,816 readers.

There are now on the shelves of all circulation branches, available for readers, 212,802 volumes.

One of the important gifts of the calendar year was a portrait of Governor Samuel J. Tilden, presented to the Trustees by Mr. William O. McDowell at their meeting on April 10th. It is in oil, painted by Matthew Wilson, represents Mr. Tilden at about the age of fifty years, and is said to have been one of his favorite likenesses.

One of the important gifts of the month was from Leonard E. Opdycke, 31 volumes, being Domenichi's translation of Nocera's Life of Consalvo Ferrando di Cordova (Fiorenza: Lorenzo Torrentino, 1552); Machiavelli's "Historie" (Vinegia: Aldus, 1540), and 29 editions of Count Castiglione's "Il Libro del Cortegiano," the latter including six Florence editions from 1528 to 1892; nine of Venice, from 1541 to 1842 (1541 and 1545 being Aldus imprints); three of Lyons, 1537, 1550, and 1562; three of London, 1588, 1737, 1742; two of Paris, 1546, 1577; two of Milan, 1803 and 1890; and one each of Parma, 1530; Padova, 1766; Cologne, 1771; Madrid, 1873; and New York, 1901, the last translated and annotated by Mr. Opdycke.

Mr. Maitland presented six rare pieces of Americana, as follows: "By the Treasurer, Councell and Company for Virginia" [a Proclamation ordering each of the four boroughs in Virginia to build a house for reception of new immigrants, each borough to provide itself with a minister of the gospel, requesting assistance to be tendered new arrivals, recommending more diversified industry than tobacco planting alone] (London, 1620), broadside, folded to F°, three-quarters brown morocco; "Orders and Constitutions, Partly Collected out of his Maiesties Letters Patents, and partly by authority, and in vertue of the said Letters Patents: Ordained upon mature deliberation by the Gouernor and Company of the City of London, for the Plantation of the Summer-Islands: for the better gouerning of the actions and affaires of the said Company and Plantation, 6 Febr. 1621" (London: Felix Kyngston, 1622), 4°, red morocco, by Zaehnsdorf; "Advertisement, To all Trades-men, Husbandmen, Servants and others who are willing to Transport themselves unto the Province of New-East-Jersey in America, a great part of which belongs to Scots-men, Proprietors thereof" [Scotland? 1684], broadside, folded to 4°, brown morocco, by the Club Bindery; S. E.'s "Further Quæries Upon the Present State of the New-English Affairs" (Boston, 1689), 4°, red morocco, by Bedford; Samuel Penhallow's "The History of the Wars of New England, With the

Eastern Indians" (Boston, T. Fleet, 1726), sm. 8°, a perfect copy with good margins, bound in full red morocco, gilt, by David; and J[ohn] C[alef]'s "The Siege of Penobscot by the Rebels; containing a Journal of the Proceedings of His Majesty's Forces detached from the 74th and 82d Regiments, consisting of about 700 Rank and File, under the Command of Brigadier-General Francis McLean, and of Three of His Majesty's Sloops of War, of 16 Guns each, under the Command of Captain Henry Mowat... with a Chart of the Peninsula of Majabigwaduce, and of the Penobscot River"... (London: G. Kearsley, etc., 1781), 8°, uncut, blue crushed levant, by Bedford.

Other important gifts were: - From S. P. Avery, 10 volumes, 10 pamphlets, and 29 prints, the volumes including 2 volumes of Goya's etchings; from Samuel Lane Boardman, the Biography of Peter Edes, Pioneer Printer in Maine . . . ; from Brooks Brothers, 26 directories of cities in the United States; from the City of Cleveland, 10 volumes, 1 pamphlet, and a chart, all relating to the City; from Mrs. Henry Draper, 2 volumes, 27 pamphlets and 1 print, chiefly relating to music; from Miss M. Drisler, 2 volumes and 2 pamphlets, including S. Woodworth's "Champions of Freedom;" from the Duc de Loubat, a copy of the recently-edited "Codex Fejérváry-Mayer"...; from the Peruvian Minister of Finance, 3 volumes of public documents; from the Rhode Island State Library, 20 volumes and 17 pamphlets, all State documents; from the Russian Minister of Finance, 5 volumes, "Description de la Corée;" from Charles Sedelmeyer, 5 volumes of "The complete work of Rembrandt," with the promise of volumes 6, 7, and 8, when published; from the Società Italiana per le Strade Ferrate Meridionali, Florence, 15 volumes and 26 pamphlets, being reports and other documents from 1888 to the present time; and from the K. u. K. Hof-Bibliothek, Vienna, 2 volumes and 2 pamphlets, all their own publications.

The Rembrandt exhibition was continued at the Lenox until December 27th, and on the 30th a display of lithographs of Fantin-Latour and of etchings of Egusquiza was placed on view. At the Astor the Artistic Portraits were on view.

The exhibition of maps at the Astor Building has been changed to show maps of current interest, such as the Nicaragua route, various sites proposed for the federal capital of the Australian Commonwealth, China, the Philippine Islands, Africa, and the United States.

#### LETTERS OF EDGAR ALLAN POE, 1845-49.

The following letters are printed from the original manuscripts in the Duyckinck collection in the New York Public Library.

## MY DEAR DUYCKINCK,

I leave for you what I think the best of my Poems. They are very few—including those only which have not been published in volume form. If they can be made to fill a book, it will be better to publish them alone—but if not, I can hand you some "Dramatic Scenes" from the S. L. Messenger (2d Vol) and "Al Aaraaf" and "Tamerlane," two juvenile poems of some length.

Truly yours

POE.

Wednesday 10th [Sept. 1845?].

THURSDAY MORNING—13th [Nov. 1845].

85 Amity St.

## MY DEAR MR DUYCKINCK,

For the first time during two months I find myself entirely myself—dreadfully sick and depressed, but still myself. I seem to have just awakened from some horrible dream, in which all was confusion, and suffering—relieved only by the constant sense of your kindness, and that of one or two other considerate friends. I really believe that I have been mad—but indeed I have had abundant reason to be so. I have made up my mind to a step which will preserve me, for the future, from at least the greater portion of the troubles which have beset me. In the meantime, I have need of the most active exertion to extricate myself from the embarrassments into which I have already fallen—and my object in writing you this note is, (once again) to beg your aid. Of course I need not say to you that my most urgent trouble is the want of ready money. I find that what I said to you about the prospects of the B. J. is strictly correct. The most trifling immediate relief would put it on an excellent footing. All that I want is time in which to look about me; and I think that it is your power to afford me this.

I have already drawn from Mr Wiley, first \$30—then 10 (from yourself)—then 50 (on account of the "Parnassus")—then 20 (when I went to Boston)—and finally 25—in all 135. Mr Wiley owes me, for the Poems, 75, and admitting that 1500 of the Tales have been sold, and that I am to receive 8 cts a copy—the amount which you named, if I remember—admitting this, he will owe me \$120. on them:—in all 195. Deducting what I have received there is a balance of 60 in my favor. If I understood you, a few days ago, Mr W. was to settle with me in February. Now, you will already have anticipated my request. It is that you would ask Mr W. to give me, to-day, in lieu of all farther claim, a certain sum whatever he may think

advisable. So dreadfully am I pressed, that I would willingly take even the \$60 actually due, (in lieu of all farther demand) than wait until February:—but I am sure that you will do the best for me that you can.

Please send your answer to 85 Amity St. and believe me—with the most sincere friendship and ardent gratitude

Yours

EDGAR A POE.

THURSDAY MORNING [Nov. 13? 1845].

MY DEAR MR DUYCKINCK.

I am still dreadfully unwell, and fear that I shall be very seriously ill. Some matters of domestic affliction have also happened which deprive me of what little energy I have left—and I have resolved to give up the B. Journal and retire to the country for six months, or perhaps a year, as the sole means of recruiting my health and spirits. Is it not possible that yourself or Mr Matthews might give me a trifle for my interest in the paper? Or, if this cannot be effected, might I venture to ask you for an advance of \$50 on the faith of the "American Parnassus"?—which I will finish as soon as possible. If you could oblige me in this manner I would feel myself under the deepest obligation. Will you be so kind as to reply by the bearer?

Most sincerely yours

E. A. DUYCKINCK Esq.

EDGAR A POE

Jan 8. 46.

DEAR MR. DUYCKINCK,

For "particular reasons" I am anxious to have another volume of my Tales published before the 1st of March. Do you not think it possible to accomplish it for me? Would not Mr Wiley give me, say \$50, in full for the copyright of the collection I now send. It is a far better one than the first—containing, for instance, "Lygeia," which is undoubtedly the best story I have written—besides "Scheherazade," "The Spectacles," "Tarr and Fether," etc.

May I beg of you to give me an early answer, by note, addressed 85 Amity St.

Truly yours

EDGAR A. POE

E. A. DUYCKINCK Esq.

April 28.

DEAR DUYCKINCK.

Mrs C. tells me that you had some conversation with her about Keese and myself—and I have thought it best to enclose you my letter to him. May I ask of you the favor to look it over and then seal it and send it to him?—unless you have anything to suggest—in which case please do not send it until you can communicate with me.

I enclose, also, a letter from the Lit. Societies of the Vermont University. My

object is to ask you to get inserted, editorially, in the "Morning News," or some other paper, a paragraph to this effect:—or something similar.

EDGAR A. POE.—By a concurrent vote of the Literary Societies of the University of Vermont, Mr Poe has been elected Poet for their ensuing Anniversary in August next—but we are sorry to hear that continued ill health, with a pressure of engagements, will force him to decline the office.

Please preserve the letter of the Societies.

It strikes me that, some time ago, Wiley & Putnam advertised for autographs of distinguished Amer. statesmen. Is it so? I have well-preserved letters from John Randolph, Chief Justice Marshall, Madison, Adams, Wirt, Duane, E. Everett, Clay, Cass, Calhoun and some others—and I would exchange them for books.

#### Truly yours

E. A. Poe

Can either you or Mathews furnish me with autographs of any of the following persons? Cheever—Cary—Cranch—Francis—Mrs Stephens—Clark—Verplanck — Aldrich — Maroncelli—Wetmore—Fay — Greeley —Godwin—I. Willis—Maturin—Deming—Mrs Smith—Raymond—Headley—Brownlee—Kent—Ward—Tellkampf—S. Smith—Mrs Child—G. Spring—Jno. Stephens—Cooley—Mancur—King—T. Irving—Inman—Jones—Tuckerman—Mrs Godwin—Gallatin—Harring—I. Sargent—Prof. Robinson—Channing—Lewis—Schoolcraft—Dewey—Brisbane—Tasistro.

[Endorsed, "April 18, 1846."]

Monday 29 [June, 1846].

#### My DEAR MR. DUYCKINCK,

I am about to send the "Reply to English" (accompanying this note) to Mr Godey—but feel anxious that some friend should read it before it goes. Will you be kind enough to look it over and show it to Mathews? Mrs C. will then take it to Harden. The particulars of the reply I would not wish mentioned to any one:—of course you see the necessity of this.

The no of Littell's Age conts the notice, is 106—so he writes me.

Most truly yours

Poe

FORDHAM-Dec. 24. 46.

#### DEAR DUYCKINCK,

You remember showing me about a year ago, at your house, some English stanzas—by a lady I think—from the rhythm of which Longfellow had imitated the rhythm of the Proem to his "Waif." I wish very much to see the poem—do you think you could loan me the book, or (which will answer as well) give me the

title of the book in full, and copy me the 2 first stanzas? I will be greatly obliged if you can.

I am much in need, also, of Gilfillan's "Sketches of Modern Literature,"—2 vols.—published by Appleton. If you could loan me the work (or the vol. containing the sketch of Emerson) I would take it as a great favor.

I am taking great care of your Irving and Arcturus—but, unless you need them, I should like to keep them some time longer—as I have to make constant reference to them.

Truly yours,

E. A. Poe.

Dec. 30. 46.

## DEAR DUYCKINCK,

Mrs Clemm mentioned to me, this morning, that some of the Parisian papers had been speaking about my "Murders in the Rue Morgue." She could not give me the details—merely saying that you had told her. The "Murders in the R. M." was spoken of in the Paris "Charivari," soon after the first issue of the tale in Graham's Mag:—April 1841. By the enclosed letter from Stonehaven Scotland, you will see that the "Valdemar Case" still makes a talk, and that a pamphlet edition of it has been published by Short & Co. of London under the title of "Mesmerism in Articulo Mortis." It has fairly gone the rounds of the London Press, commencing with "The Morning Post." The Monthly Record of Science" &c gives it with the title "The Last Days of M. Valdemar. By the author of the Last Conversation of a Somnambule"—(Mesmeric Revelation).

My object in enclosing the Scotch letter and the one from Miss Barrett, is to ask you to do me a favor which (just at this moment) may be of great importance. It is, to make a paragraph or two for some one of the city papers, stating the facts here given, in connexion with what you know about the "Murders in the Rue Morgue." If this will not give you too much trouble, I will be deeply obliged. If you think it advisable, there is no objection to your copying any portion of Miss B's letter. Willis or Morris will put in anything you may be kind enough to write; but as "The Home Journal" has already said a good deal about me, some other paper would be preferable.

Truly yours

POE.

Fordham,

March 8 [1849].

DEAR SIR.

If you have looked over the Von Kempelen article which I left with your brother, you will have fully perceived its drift. I mean it as a kind of "exercise," or experiment, in the plausible or verisimilar style. Of course, there is not one word of truth in it from beginning to end. I thought that such a style, applied to the gold-excitement, could not fail of effect. My sincere opinion is that nine persons

out of ten (even among the best-informed) will believe the quiz (provided the design does not leak out before publication) and that thus, acting as a sudden, although of course a very temporary, check to the gold-fever, it will create a stir to some purpose.

I had prepared the hoax for a Boston weekly called "The Flag" where it will be quite thrown away. The proprietor will give me \$15 for it on presentation to his agent here; and my object in referring the article to you is simply to see if you could not venture to take it for the "World." If so, I am willing to take for it \$10—or, in fact, whatever you think you can afford.

I believe the quiz is the first deliberate literary attempt of the kind on record. In the story of Mrs Veal, we are permitted, now and then, to perceive a tone of banter. In "Robinson Crusoe" the design was far more to please, or excite, than to deceive by verisimilitude, in which particular merely, Sir Ed. Seaward's narrative is the more skilful book. In my "Valdemar Case" (which was credited by many) I had not the the slightest idea that any person should credit it as anything more than a "Magazine-paper"—but here the whole strength is laid out in verisimilitude.

I am very much obliged to you for your reprint of "Ulalume."

Truly Yours,

EDGAR A. Por.

P.S. If you feel the least shy about the article, make no hesitation in returning it, of course:—for I willingly admit that it is not a paper which every editor would like to "take the responsibility" of printing—although merely as a contribution with a known name:—but if you decline the quiz, please do not let out the secret.

EVERT A. DUYCKINCK, Esq.

# CHECK LIST OF GENERAL SERIAL MUNICIPAL DOCUMENTS OF BROOKLYN IN THE NEW YORK PUBLIC LIBRARY, 31 DECEMBER, 1901.

\*\* The letters A and L following the titles indicate the location, referring to the Astor and Lenox buildings respectively.

#### Order of Arrangement:

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#### Brooklyn.

#### [CHARTER.]

#### 1816.

An act to incorporate and vest certain powers in the freeholders and inhabitants of the village of Brooklyn, in the county of Kings. *Brooklyn: Printed by A. Spooner*, 1816. 8 pp. pap. 8°. A Imperfect.

#### 1824.

An act, to amend an act, entitled "An Act to incorporate and vest certain powers in the freeholders and inhabitants of the village of Brooklyn, in the county of Kings," and for other purposes. Passed April 9, 1824. n. t. p. 7 pp. pap. 8°. A

#### 1825.

An act to incorporate the city of Brooklyn. As reported to an adjourned meeting of the freeholders and inhabitants of the village of Brooklyn, held on November 10, 1825. Brooklyn: A. Spooner, prtr., 1825. 32 pp. pap. 8°.

#### 1827.

An Act to reduce the law, incorporating the Village of Brooklyn, and the several acts amendatory thereof into one act, and to amend the same. Passed April 3, 1827. *Brooklyn: Printed by A. Spooner*, 1827. 37 (1) pp. pap. 12°. A

#### 1884.

The charter of the city of Brooklyn, and the laws of the state of New-York, relating particularly to the former village and town of Brooklyn, not repealed by the said charter, and now forming part of the law applicable to the said city, pursuant to the 72d section of the said charter. Brooklyn, L. I. . Printed by James A. Bennet, 1834. 109 pp. 8°. A Bd. with Ordinances of 1834.

#### 1847.

A law to revise and amend the several acts relating to the city of Brooklyn; adopted in convention, assembled in pursuance of an act of the Legislature, passed May 10, 1847. Brooklyn: Lees & Foulkes, prtrs., 1848. 72 pp. pap. 8°. A

#### 1848.

A law to revise and amend the several acts relating to the city of Brooklyn; adopted in convention, assembled in pursuance of an act of the legislature, passed May 10, 1847. Brooklyn: Lees & Foulkes, prtrs., 1848. 72 pp. pap. 8°. A

#### 1849.

City charter. An act to revise and amend the several acts relating to the city of Brooklyn, passed Feb. 19, 1849. [Brooklyn: I. Van Anden, prtr., 1849.] 48 pp. pap. 8°. A

#### 1850.

New charter of . . . Brooklyn. An act to revise and amend the several acts relating to the city of Brooklyn. Passed April 4th, 1850. [Brooklyn? 1850.] 55 pp. pap. 8°. A

An act to revise and amend the several acts relating to the city of Brooklyn, passed April 4, 1850.

... Brooklyn: E. B. Spooner. prtr., 1850. 62 pp. pap. 8°.

An Act to amend "An Act to revise and amend the several Acts relating to the city of Brooklyn," passed April 4, 1850. n. t. p. 6 pp. 8°. (Bd. with: Charter, 1850.)

## 1851.

Charter of the city of Brooklyn, as revised and amended, April 4, 1850, together with the additional amendments, passed June 9, 1851, and the ordinances of the city. Brooklyn: Printed by E. B. Spooner, n. d. 239, 224, 6 pp. 8°. A

—— Same. 239, 224 pp. 8°. A

#### 1854.

An Act to consolidate the cities of Brooklyn and Williamsburgh and the town of Bushwick into one municipal government, and to incorporate the same. Passed April 17, 1854. Brooklyn: I. Van Anden's . . . Presses, 1854. 113 pp. 8°. A Interleaved copy.

Charter of the city of Brooklyn. Passed April 17, 1854—to take effect Jan. 1, 1855. Williamsburgh: L. Darbee & Son, prirs., 1854. 64 pp. 8°.

#### Brooklyn-Charter, Cont'd.

#### 1867

The charter of the city of Brooklyn, and the special laws relating thereto; together with the ordinances for the government of the city. Brooklyn: George C. Bennett, 1857. 312, iv pp. 8°. A

#### 1878.

Charter of the city of Brooklyn, passed June 28, 1873, with the charter of April 17, 1854, and the acts amendatory of and supplementary thereto, and other general laws relating to said city, together with the ordinances of the common council adopted from time to time by virtue and in pursuance thereof. Compiled by Wm. G. Bishop, city clerk. Brooklyn: Daily Union Print, 1873. 541, xxx, 177 pp. 8°.

Contains, pp. xxx, a "List of acts of the legislature prior to the consolidation [from 1788 to 1873], including the more important incorporations in or affecting the city;" and "The charter of the city of Brooklyn, as amended June 28, 1873," 177 pp.

#### 1874.

An Act to amend an Act to amend the charter of the city of Brooklyn and the various amendments thereof. New York: James Sutton & Co., 1874. 27 pp. 8°.

#### 1877.

The charter of Brooklyn of 1854, as amended, and certain special laws relating to the fire limits, board of city works, Prospect Park Commission, local judiciary, excise, board of education and election. Together with a list of acts of the legislature in relation to the city of Brooklyn from 1788 down [to 1877]. n. t. p.. 266, 15, 36 pp. 8°. (In: Charter of 1877.)

Charter of the city of Brooklyn, passed June 28, 1873. As subsequently amended with the charter of April 17, 1854, and the amendments thereto, and other laws relating to said city. Also, the ordinances of the Common Council of the city of Brooklyn, as codified and revised Dec. 10, 1877. Compiled by Wm. G. Bishop, city clerk. Brooklyn: R. M. Whiting & Co., 1877. 326, 266, 15, 36 pp. 8°. A L

[ACTS OF THE LEGISLATURE OF THE STATE OF NEW YORK RELATING TO BROOKLYN.]

#### 1826.

Laws in relation to the village of Brooklyn. Compiled by order of the trustees of said village, May, 1826. Brooklyn: Printed by Geo. L. Birch, 1826. 27 pp. 12°.

#### 1858.

Laws relating to the city of Brooklyn. Enacted by the legislature of 1857. Brooklyn: L. Darbee & Son, prtrs., 1858. 24 pp. pap. 8°. A

#### 1869.

Laws of the state of New York, affecting interests in the city of Brooklyn and county of Kings. Passed by the legislature of 1869. Brooklyn: Printed by the Standard Press, 1869. 593 pp. 8<sup>5</sup>. A

#### 1877

[Laws of the state of New York, relating to the city of Brooklyn, passed 1877.] n. t. p. 557-583 pp. 8°. A In: Common Council Docs., 1877. no. 27.

#### 1878.

Acts of the legislature of 1878 in relation to the city of Brooklyn, being certified copies thereof from the office of the Secretary of State. n. p., n. d. [822-]845 pp. 8°. A
In: Common Council Docs., 1878. no. 28.

#### 1879.

Acts of the legislature of 1879 in relation to the city of Brooklyn . . . . n. p., n. d. [567-]598 pp. 8°.

In: Brooklyn. Common Council Docs., 1882. no. 29.

#### 1880

Acts of the legislature of 1880 in relation to the city of Brooklyn, . . . . n. p., n. d. [906-]966 pp. 8°. A In: Brooklyn. Common Council Docs., 1880. no. 27.

#### 1889

Acts of the legislature of 1882 in relation to the city of Brooklyn . . . . n. p., n. d. [779-]818 pp. 8°.
In: Brooklyn. Common Council Docs., 1882. no. 34.

#### [CITY DOCUMENTS.]

#### 1877.

Annual message of Hon. Frederick A. Schroeder, mayor . . . together with the annual reports of the various departments of the city government. Brooklyn: Union . . . Prtg. Establishment, 1877. xxiv, 106 pp. pap. 8°.

—— Same, in German.

#### 1878.

Annual message of the Hon. James Howell, Jr., mayor... [for 1878] together with reports of the various departments [for 1877]. Brooklyn: Printed for the Corporation, 1878. 103 pp. cl. 8°. A

## 1879.

Lacking.

#### 1880.

Annual message, etc., [for 1880] together with reports of the several departments for 1879. Brooklyn, 1880. 296 pp. cl. 8°. A

#### 1881.

Lacking.

#### 1882.

Annual message of Hon. Seth Low, mayor, ... [for 1882] together with reports of the several departments for 1881. *Brooklyn*, 1882. 299 pp. bds. 8°.

#### 1888.

Annual message, etc. [for 1883], together with reports of the several city departments [for 1882]. Brooklyn, 1883. 357 pp. bds. 8°. A

#### 1884.

Third annual message of Hon. Seth Low, mayor ... [for 1884, together with reports of the several departments for 1883]. *Brooklyn*, 1884. 380 pp. bds. 8°.

#### 1885.

Fourth annual message of Hon. Seth Low, mayor . . . [for 1885, together with reports for 1884]. Brooklyn, 1885. 710 pp. bds. 8°. A

## **Brooklyn**—City Documents, Cont'd.

#### 1886.

First annual message of Hon. D. D. Whitney, mayor, . . . [for 1886] with annual reports of heads of departments . . . [for 1885.] Brooklyn, 1886. 799 pp. bds. 8°. A

#### 1887.

Second annual message of Hon. D. D. Whitney, mayor . . . for [1887] with annual reports for 1886. Brooklyn, 1887. 722 pp. bds. 8°. A

#### 1888.

Lacking.

#### 1889.

Messages of Hon. Alfred C. Chapin, mayor, . . . [for 1889] with annual reports of heads of departments [for 1888]. Brooklyn, 1889. 970 (1) pp. bds. 8°.

#### 1890.

Messages, etc., [for 1890] with reports [for 1889]. Brooklyn, 1890. 732 (1) pp. bds. 8°. A

#### 1891.

Message, etc., [for 1891] with reports [for 1890]. Brooklyn, 1891. 772 pp. bds. 8°. A

#### 1892.

First annual message of Hon. David A. Boody, mayor, [for 1892] with annual reports of heads of departments [for 1891]. *Brooklyn*, 1892. 889 pp. bds. 8°.

#### 1893.

Lacking.

#### 1894.

Message of Hon. Charles A. Schieren, mayor, . . . [for 1894] with annual reports of heads of departments [for 1893]. *Brooklyn*, 1894. 763 pp. bds. 8°. A

#### 1895.

Message, etc., [for 1895] with reports [for 1894]. Brooklyn, 1895. 920 pp. 8°. A

#### 1896.

Message of Hon. Frederick W. Wurster, mayor, . . . [for 1896] with annual reports [for 1895]. Brooklyn, 1896. 1384 pp. bds. 8°. A

#### 1897.

Message, etc., [for 1897] with reports [for 1896]. Brooklyn, 1897. 824 pp. bds. 8°. A

#### [MAYORS' MESSAGES.]

#### 1851.

Address of Conklin Brush, Esq., mayor of the city of Brooklyn, delivered . . . Jan. 6, 1851. Brooklyn: E. R. Colston, 1851. 7 (1) pp. pap. 8°.

#### 1852.

Address of Conklin Brush, Esq. . . . delivered Jan. 5, 1852. Brooklyn: Advertiser Print, 1852. 11 pp. pap. 8°. A

#### 1853.

Communication of Edward A. Lambert, mayor, . . . read Jan. 3, 1853. Brooklyn: I. Van Anden, 1853. 16 pp. pap. 8°. A

#### 1854.

Annual message of Edward A. Lambert, mayor, ... to the common council. Jan. 2, 1854. Brook-lyn: I. Van Anden, 1854. 21 pp. pap. 8°. A

#### 1855.

Communication of George Hall, mayor... to the common council, Jan. 1, 1855. Brooklyn: Carroll & Co., prtrs., 1855. 26 pp. 8°. A

#### 1856.

Annual message of Hon. George Hall, mayor...

Jan. 9, 1856. Brooklyn, E. D.: Bishop & Kelly's
... Presses, 1856. 40 pp. 8°.
A

#### 1857.

Communication of Samuel S. Powell, mayor, . . . read Jan. 5, 1857. Brooklyn: I. Van Anden's Print, 1857. 20 pp. pap. 8°. A

#### 1858.

Annual message of the Hon. Samuel S. Powell, mayor... delivered May 3, 1858. Brooklyn: L. Darbee & Son, prtrs., 1858. 15 pp. pap. 8°. A

#### 1859-1865.

Lacking.

#### 1866.

Message of Hon. Samuel Booth, mayor... delivered Jan. 8, 1866. Brooklyn: L. Darbee & Son, prtrs., 1866. 19 pp. pap. 8°. A

#### 1867.

Lacking.

#### 1868.

Message of Martin Kalbsleisch, mayor, . . . to the board of aldermen, Jan. 6, 1868. *Brooklyn:* Daily Times Print, 1868. 12 pp. pap. 8°. A

#### 1869.

Mayor's message [Kalbsleisch] to the Brooklyn Board of Aldermen. Jan. 4, 1869. Brooklyn: John H. Tobitt, prtr., 1869. 16 pp. pap. 8°. A

1870.

Lacking.

1871.

Lacking.

#### 1872.

Message of Hon. Samuel S. Powell, mayor, ... to the board of aldermen, January, 1872. Brooklyn: Daily Union ... Prtg. Establishment, 1872. 15 pp. pap. 8°.

#### 1873.

Lacking.

#### 1874.

Message of Hon. John W. Hunter, mayor, . . . to the board of aldermen, January, 1874. Brooklyn: Eagle Print, 1874. 16 pp. pap. 8°. A

#### 1875.

Message, etc., to the common council, Jan. 4, 1875. Brooklyn: Printed for the Corporation, 1875. 20 pp. pap. 8°. A

Annual message of Hon. Frederick A. Schroeder, mayor, . . . to the board of aldermen, Jan. 3, 1876. Brooklyn: Union . . . Prtg. Establishment, 1876. 32 pp. pap. 8°. A

#### Brooklyn-Mayor's Messages-Cont'd.

Annual message, etc., Jan. 8, 1877. n. t. p. 24 pp. 8°.

In: Common Council Docs., 1877. no. 1.

#### 1878.

Annual message of James Howell, Jr., Jan. 7, 1878. n. t. p. 21 pp. 8°. In: Common Council Docs., 1878. no. 1.

#### 1879.

Annual message, etc. n. d. n. t. p. 24 pp. 8°. A In: Common Council Docs., 1879. no. 1.

#### 1880.

Annual message, etc., Jan. 5, 1880. n. t. p. 28 pp. 8°.

In: Common Council Docs., 1880. no. 1.

#### 1881.

Jahres-Botschaft des achtb. Mayor Howell, dem Stadtrath unterbreitet, den 3 Januar, 1881. Brook-lyn, 1881. 22 pp. pap. 8°. A

Jahres-Botschaft des achtb. Seth Low, Mayors der Stadt Brooklyn, dem Stadtrathe unterbreitet am 3 Januar, 1882. Brooklyn, 1882. 18 pp. pap.

Same, in English. n. t. p. 21 pp. 8°. A In: Common Council Docs., 1882. no. 1.

#### 1883.

Annual message of Hon. Seth Low, mayor, . . . presented to the common council, Jan. 8, 1883. Brooklyn: For the Corporation, 1883. 32 pp. pap.

#### 1884.

Third annual message of Hon. Seth Low, mayor, . . . presented to the common council Jan. 7, 1884. Brooklyn: Printed for the Corporation, 1884. 32 pp. pap. 8°.

- Same, in German. Brooklyn: Druck der "Frei Presse," 1884. 37 pp. pap. 8°.

#### 1885.

Fourth annual message of Hon. Seth Low, . presented Jan. 5, 1885. Brooklyn: Printed for the Corporation, 1885. 43 pp. pap. 8°.

#### 1886.

Erste Jahres-Botschaft des achtb. Daniel D. Whitney, . . . an den achtb. Stadtrath, verlesen am 4. Januar, 1886. Brooklyn: Gedruckt f. d. Corporation, 1886. 15 pp. pap. 8°.

#### 1887.

Zweite Jahres-Botschaft des achtb. Daniel D. Whitney, ... verlesen am 3. Januar, 1887. Brook-lyn, 1887. 31 pp. pap. 8°. A

#### 1888.

Erste Jahres-Botschaft des achtb. Alfred C. Chapin . . . verlesen am 3. Januar, 1888. Brooklyn: Gedruckt f. d. Corporation, 1888. 14 pp. pap.

#### Common Council-Documents.

The binder's title consists of two panels, the upper reading "Proceedings of the Board of Aldermen," and the lower simply "Documents," with the number of the year in which the reports contained within the volume were presented to the common council.

#### 1877.

Documents [1-46] addressed to the common council during the year 1877. Brooklyn: Printed for the Corporation, 1877. 1259, 471, 7 pp. 8°. A

Documents. [1-42.] Brooklyn, 1878. 1185 pp.

#### 1879.

Documents. [1-38.] Brooklyn, 1879. 890, 6 pp.

Documents. [1-40.] Brooklyn, 1880. 1264, 7 pp. 8°.

1881.

Lacking.

#### 1882.

Documents. [1-45.] Brooklyn, 1882. 1278, 8 pp.

COMMON COUNCIL-MANUAL.

Manual of the Brooklyn common council, for 1855. Prepared by the city clerk by order of the board [of aldermen]. Brooklyn. E. B. Spooner, prtr., 1855. pp. 1-20. 8°.

Imperfect (?).

#### 1856.

Manual, etc. Brooklyn: Bennett & Smith, prtrs., n. d. 35 pp. pap. 12°.

#### 1857.

Brooklyn: I. Van Anden, prtr., Manual, etc. 1857. 108, (2), iii pp. pap. 16°. Contains "Census of the city of Brooklyn and county of Kings, from 1830 to 1855."

#### 1858-9.

Manual, etc. Compiled by William G. Bishop, city clerk. Brooklyn: George C. Bennett, prtr., 1858. (1), 200 pp. 1 pl., 1 map. lea. 8°.

Cut of Ridgewood Reservoir, Engine House; and map showing the line of the Brooklyn water works, 1858.

#### 1859-60.

Manual, etc. Compiled by William G. Bishop, city clerk. Brooklyn. George C. Bennett, 1859. 375 pp. 1 diagr., 1 map. lea. 8°. A Map showing the line of the Brooklyn water works, 1859.

#### 1860-1.

Manual, etc. Compiled by William G. Bishop, city clerk. Brooklyn: George C. Bennett, prtr., 1860. 333 pp. 1 diagr. cl. 8°.

#### 1861-2.

Manual, etc. Compiled by William G. Bishop, city clerk. Brooklyn: George C. Bennett, prtr., 1861. 544, 23 pp. I diagr., I facs., I map. lea. 8°.

Hooker's map of the village of Brooklyn in 1827; Charter of 1854; Acts of the legislature passed 1861, relating to Brooklyn; list of members of the councils of Brooklyn from 1671-1833; mayors and aldermen from 1834 to 1861; historical summaries, and Bushwick with names of members of city governments of Williamsburgh and Bushwick and Bushwick.

#### Brooklyn-Common Council, Cont'd.

#### 1863.

Manual, etc. Compiled by Henry McCloskey, city clerk. Brooklyn: Isaac Van Anden, prtr., 1863. 400, (1), v, 21 pp. 1 por., 1 diagr., 1 facs. cl. 8°

Portrait of Mayor Kalbfleisch; early patents and settlements of Brooklyn by Teunis G. Bergen.

#### 1864.

Manual, etc. Compiled by Henry McCloskey, city clerk. Brooklyn: A. Brown & Co., 1864. 416, 38, iii, ii, (1) pp. pls., maps, lithographs, etc. cl.

Portrait of Mayor Wood; map of the consolidated city of Brooklyn, 1864; facs. of Nicolls grant; facs. of ancient map showing the Bergen lands; plan of village of Brooklyn and part of Long Is., 1766; drawing of old Reformed Dutch church, 1776; do. of church in Bushwick, built in 1711; 5 colored folding lithograph views of the Sanitary Fair held in 1864.

Manual, etc. Compiled by Henry McCloskey, city clerk. Brooklyn, 1865. 550, xv, vii, pp. maps., pls., facs. lea. 8°. AL

Por. of Mayor Wood; map of consolidated city of Brooklyn, 1865; colored folding litohgraph of Brooklyn water front in 1840; "plan of New York Is, with part of Long Is., Staten Is. & East New Jersey, with a particular description of the engagement on the Woody Heights of Long Is., between Flatbush and Brooklyn, Aug. 27, 1776"; colored folding lithograph of Labon's Inn, Brooklyn, 1853; colored full-length lithograph of Jacob Patchen; medallion portrait of Augustus Graham; medallion portrait with facs. a. s. of Cornelius Heeney.

#### 1866.

Manual, etc. Title-page lacking. 486 pp. diagr., pors. cl. 8°.
Portraits of members of Board of Aldermen.

#### 1867.

Manual, etc. Compiled by Henry McCloskey, city clerk. Brooklyn, 1867. 470, (1), ii pp. map, pls. cl. 8°. A L

Map of the consolidated city of Brooklyn, 1867; portrait of Mayor Booth; colored lithograph of Presbyterian church at Jamaica; do. of the Suydam house, built 1700; do. of Battle Pass, L. I., 1765; do. 1865; colored folding lithograph of Old Bull's Head inn, 1842; colored lithograph of Denyse's ferry.

#### 1868.

Manual, etc. Compiled by William G. Bishop, city clerk. Brooklyn, 1868. 483 pp. map, plans, pls. cl. 8°. A L

Map of the consolidated city of Brooklyn, x868; portrait of Mayor Kalbfleisch; plan of proposed Prospect Park; plan of King's Co. parade ground; plan of Washington Park; colored lithograph of Bushwick town house, z80c; do. of Luqueer's mill; colored folding lithograph of Howard's Inn, 1776.

Manual, etc. Compiled by William G. Bishop, city clerk. Brooklyn, 1869. 523 pp. pls., map.

Map of Brooklyn, 1869; design for Prospect Park; list of baptisms in the Reformed Dutch Church of Brooklyn, copied by T. G. Bergen; colored lithograph of grand stand in Prospect Park; do. of Mercantile Library.

#### 1870.

Lacking.

#### 1871.

Manual, etc. Compiled by William G. Bishop, city clerk. Brooklyn: Brooklyn Daily Times Print, 1871. 395 pp. map, pls. cl. 8°.

Map of Brooklyn; designs for Prospect and Tompkins parks; colored lithographs of Oceanus assn. clubhouse and of Fulton Ferry in 1740.

#### 1872-1884.

Lacking.

#### 1885.

Manual of the common council city of Brooklyn. New York: Jordan Stationery Co., prtrs., 1885. 152, viii pp. pap. 24°.

#### 1886-1887.

Lacking.

#### 1888.

New York: Jordan Prtg. and Manual, etc. Stationery Co., 1888. 220, xi pp. cl. 24°.

#### COMMON COUNCIL—PROCEEDINGS.

The binder's title reads: Proceedings of the Board of Aldermen; the running title in the volume is: "Minutes of the Common Council."

#### 1854.

v. t. Lacking.

v. 2. July I [10], 1854, to Jan. 1, 1855 [i. e. Dec. 29, 1854]. Brooklyn: I. Van Anden's Steam Press, 1854. 497, 176 pp. 8°. Proc. board aldermen; Index.

#### 1855/6.

v. I. Jan. I to April I [i. e. Mch. 30]. Brooklyn, E. D.: Bishop & Kelly's Presses, 1855. 906, 91 pp. 8°.

Proc. board aldermen, 906 pp.; Index, 91 pp.

v. 2, and subsequent vols. Lacking.

#### 1856/7.

v. I. Jan. 3 to April I [i. e. Mch. 31]. Brooklyn, E. D.: Bishop & Kelly's . . . Presses, 1856. 744, 81 pp. 8°.

Proc. board aldermen, 744 pp.; Index, 81 pp.

v. 2. Lacking.

v. 3. July I [7] to Jan. 2. v. p. 8°.

Proc. board aldermen, 1052 pp.; Minutes joint board aldermen and supervisors, 1856, 75 pp.; Index, 184 pp.

v. I. Jan. 5 to April 2. Brooklyn: L. Darbee & Son, prtrs., 1857. 801, 69 pp. 8°. Proc. board aldermen, 801 pp.; Index, 69 pp.

v. 2. April 6 to July 30. 1175, 137 pp. 8°. Proc. board aldermen, 1175 pp.; Index, 137 pp. pp. 129-136 missing from index.

v. 3. Sept. 21 to Dec. 28. 760, 122, 128 pp. 8°. A Proc. board aldermen, 760 pp.; Minutes joint board of aldermen and supervisors, 1857, 122 pp.; Index, 128 pp.

#### 1858.

v. 1. Lacking.

March 12 to April 30. Brooklyn: L. Darbee & Son, prtrs., 1888. 509, 35 pp. 8°. A Proc. board aldermen, 509 pp.; Index, 35 pp.

v. 3. May 3 to July 19. v. p. 8°. Proc. board aldermen, 596 pp.; Minutes joint board of aldermen and supervisors, 84 pp.; Index, 79 pp.

v. 4. Aug. 17 to Dec. 27. 819, 99 pp. 8°. A Proc. board aldermen, 819 pp.; Index, 99 pp.

#### 1859.

v. 1. Jan. 3 to April 29. Brooklyn: L. Darbee & Son, prtrs., 1859. v. p. 8°. A Proc. board aldermen, 1092 pp.; Ann. report of comptroller for 1858, 84 pp.; Index, 80 pp. Brooklyn—Common Council Proceedings, Cont'd.

- v. 2. May 2 to July 25. v. p. 8°. Proc. board aldermen, 544 pp.; Minutes joint board of aldermen and supervisors, 189 pp.; Index, 73 pp.
  - v. 3. Sept. 12 to Dec. 27. 802, 193 pp. 8°. A Proc. board aldermen, 802 pp.; Index, 193 pp.

#### 1860.

- v. I. Jan. 3 to May 5. Brooklyn: L. Darbee & Son, 1860. v. p. 8°. Proc. board aldermen, 1208 pp.; Proc. in secret sess. March 26, 1860, 3 pp.; Index, 127 pp.
- v. 2. May 7 to Aug. 6. v. p. 8°. Proc. board aldermen, 855 pp.; Minutes joint board of aldermen and supervisors, 160 pp.; Index, 178 pp. 8°.
- v. 3. Aug. 13 to Dec. 27. 843, 232 pp. 8°. A Proc. board aldermen, 843 pp.; Index, 232 pp.

- v. 1. Jan. 7 to Feb. 25. Brooklyn: L. Darbee & Son, prtrs., 1861. 563, 113 pp. 8°. A Proc. board aldermen, 563 pp.; Index, 113 pp.
- v. 2. March 4 to May 4. 572, 116 pp. 8°. A Proc. board aldermen, 572 pp.; Index, 116 pp.
- v. 3. May 6 to July 29, 1861. v. p. 8°. Proc. board aldermen, 550 pp.; Minutes joint board of aldermen and supervisors, 103 pp.; Index, 172 pp.
- v. 4. Aug. 26 to Dec. 30. 848, 225 pp. 8°. A Proc. board aldermen, 779 pp.; Minutes adjd. sess. board of canvassers, 1861, pp. 781-848; Index, 225 pp.

#### 1862.

- v. 1. Jan. 6 to Feb. 24. Brooklyn: L. Darbee & Son, 1862. 647, 90 pp. 8°. Proc. board aldermen, 647 pp.; Index, 90 pp.
- v. 2. March 3 to May 12. 418, 80 pp. 8°. A Proc. board aldermen, 418 pp.; Index, 80 pp.
- v. 3. May 19 to Aug. 29. v. p. 8°. Proc. board aldermen, 382 pp; Minutes joint board of aldermen and supervisors, 107 pp.; Index, 99 pp.
- v. 4. Sept. 22 to Dec. 31. 688, 212 pp. 8°. A Proc. board aldermen, 688 pp.; Index, 212 pp.

#### 1868.

- v. I. Jan. 5 to March 30. Brooklyn : L. Darbee & Son, prirs., 1863. 773, 83 pp. 8°.
- Proc. board aldermen, 773 pp.; Index, 83 pp. v. 2. April 6 to Aug. 10. v. p. 8°.
- Proc. board aldermen, 835 pp.; Ann. report comptroller, 1862, 94 pp.; Index, 108 pp.
- v. 3. Aug. 19 to Oct. 14. v. p. 8°. Index, or pp.; Proc. board aldermen, 909 pp.; Minutes joint board of aldermen and supervisors, 90 pp.
- v. 4. Oct. 17 to Dec. 31. Brooklyn: Bergen & Tripp, 1864. 799, 207 pp. 8°.

Proc. board aldermen, 799 pp.; Report special committee board of canvassers, 207 pp.

- v. 1. Jan. 4 to March 28. Brooklyn: Bergen *& Tripp*, 1864. v. p. 8°.
- Proc. board aldermen, 653 pp.; Index, 157 pp.; Ann. report Fire Dept. W. D., 1863, and 4th ann. report Nassau Water Dept. for 1863, 137 pp.
  - v. 2. April 4 to June 6. v. p. 8°.
- Proc. board aldermen, 664 pp.; Ann. report Fire Dept. E. D., 1863, 87 pp.; Ann. report comptroller for 1863, 74 pp.; Minutes joint board of aldermen and supervisors, pp. [81-]161; Semi-ann. report Nassau Water Dept., Jan.—July, 1864, pp. 165-180; Index, 114 pp.

- v. 3. June 13 to Sept. 19. 569 pp. 8°. v. 4. Sept. 26 to Dec. 31 [Jan. 2, 1865]. Brooklyn: L. Darbee & Son, prtrs., 1865.
- Proc. board aldermen, 594 pp.; Minutes adjd. sess. board of canvassers, Dec. 6, 1864, 247 pp.; Index, 146 pp.

#### 1865.

- v. I. Jan. 2 to March 15. Brooklyn: L. Darbee & Son, prtrs., 1865. v. p. 8°. Proc. board aldermen, 437 pp.; 5th ann. report Fire Dept. W. D., 117 pp.; Ann. report Fire Dept. W. D., 1864, pp. 119-195; 7th ann. report Supt. Juvenile House of Industry, pp. 197-219; Ann. report Fire Dept. E. D., 1864, pp. 221-281;
- Index, 121 pp.
  - v. 2, and subsequent vols. Lacking.

#### 1866.

- v. I. Jan. I to June II [should read March 26]. Brooklyn: Standard Steam Presses, 1866. v. p.
- Proc. board aldermen, 543 pp.; 6th ann. report Nassau Water Dept., 1865; and Ann. report Fire Dept. W. D., 1865, pp. 65-139; Ann. report comptroller for 1865, pp. 141-207; Index,
- v. 2. March 26 to June 11. v. p. 8°. Proc. board aldermen, 612 pp. Appendix, Ann. report Fire Dept. E. D., 1865, 38 pp.; Minutes joint board of aldermen and supervisors, 1866, 25 pp.; Index, 186 pp.
  - v. 3. Lacking.
- v. 4. Sept. 17 to Dec. 31. v. p. 8°. Proc. board aldermen, 676 pp. Appendix, Minutes joint board aldermen and supervisors, 1866, 76 pp.; Report special committee board of canvassers, 129 pp.; ad ann. report fire marshal, 35 pp.; Ann. report comptroller, 1866, pp. 37-48; Ann. report Fire Dept., W. D., pp. 37-107; 7th ann. report Nassau Water Dept., pp. 109-154; Report comrs. Prospect Park, 1866, pp. 149-170; Index, 220 pp.

1867.

Lacking. 1868.

Lacking. 1869.

Lacking. 1870.

v. 1. Lacking.

v. 2. July [5] to Dec. [28]. Brooklyn: Printed for the Corporation, 1870. v. p. 8°. A

Proc. board aldermen, 588 pp. Appendix, Minutes joint board of aldermen and supervisors, 48 pp.; Report board of canvassers, 201 pp; Ann. report comptroller, 1869, 58 pp.; Index, 92 pp.

- v. I. Jan. 2 to June 26. Brooklyn: Daily Union... Prtg. Establishment, 1871. v.p. 8°. A Proc. board aldermen, 1089 pp. Appendix, 11th ann. report Nassau Water Dept., 136 pp.; Report health officer, 1870, 12 pp.; Index, 101 pp.
- v. 2. July 3 to Dec. 27. v. p. 8°. Proc. board aldermen, 764 pp.; Minutes joint board of aldermen and supervisors, 71 pp.; Ann. report comptroller, 1870, 66 pp.; Report board of canvassers, 408 pp.; Index, 80 pp.

#### 1872.

- Jan. [8] to June [24]. Brooklyn: Printed v. I. for the Corporation, 1872. v. p. 8°. Proc. board aldermen, 1327 pp. Appendix, 12th ann. report Nassau Water Dept., 91 pp.; Index, 96 pp.
- v. 2. July [1] to Dec. [30]. v. p. 8°. Proc. board aldermen, 971 pp. Appendix, Minutes joint board of aldermen, 70 pp.; Report board of canvassers, (13) [199-]288 (a) pp.; Ann. report comptroller, 1871, [71-]172 pp.; Index, 97 pp.

#### Brooklyn-Common Council Proceedings, Cont'd. 1873.

Jan. [6] to July [i. e., June 30]. Brookv. 1. lyn: Printed for the Corporation, 1873. v. p. 8°. A Proc. board aldermen, 1536 pp. Appendix, Ann. report comrs. city works, 1872, 82 pp.; Index, 101 pp.

v. 2. Lacking.

1874.

Lacking.

#### 1875.

v. I. Jan. [4] to May [i. e., April 26]. Brooklyn: Printed for the Corporation, 1875. v. p. 8°. A Proc. board aldermen, 1155 pp. App. to meeting of Mch. 8, 1875, 118 pp. [being the name and place of business of each person holding a license for the sale of intoxicating liquors]; Ann. report Dept. of Police and Excise, 1874, 85 pp.; Ann. report comptroller, 1873, 139 pp.; Ann. report comptroller, 1873, 139 pp.; Ann. report compt. city works, 1874, 117 pp.; Index, 113 pp.

v. 2. May [3] to August [17]. v. p. 8°. Proc. board aldermen, 978 pp. Appendix, Ann. report comptroller, 1874, 126 pp.; Index, 73 pp.

v. 3. Sept. [1] to Dec. [30]. v. p. 8°. Proc. board aldermen, 945 pp. Appendix, Proc. board of canvassers, 114 pp.; Index, 74 pp.

#### 1876.

v. 1. Jan. [3] to April [24]. Brooklyn: Printed for the Corporation, 1876. 1194, 84 pp.

Proc. board aldermen, 1194 pp.; Index, 84 pp.

v. 2. May t to August 31 [i. e., Aug. 14]. 788, 75 pp. 8°.

Proc. board aldermen, 788 pp.; Index, 75 pp.

#### 1877

Jan. 1 [8] to June 30 [25]. Brooklyn: Printed for the Corporation, 1877. 1752, 146 pp.

Proc. board aldermen, 1752 pp.; Index, 146 pp.

v. 2. July 1 [2] to Dec. 31. 1030, 102 pp.

Proc. board aldermen, 1030 pp.; Index, 102 pp.

#### 1878.

v. 1. Jan. 1 [8] to June 1 [i. e., May 27]. Brooklyn: Printed for the Corporation, 1878. 1275, 103 pp. 8° Proc. board aldermen, 1275 pp.; Index, 103 pp.

v. 2. June 1 [3] to Dec. 31 [i. e., 30]. 1152, 120 pp.

Proc. board aldermen, 1152 pp.; Index, 120 pp.

#### 1879.

v. 1. Jan. 1 [6] to May 31 [i. e., 26]. Brooklyn: Printed for the Corporation, 1879. 1150, 138 pp. 8°

Proc. board aldermen; Index.

v. 2. June I [2] to Dec. 31 [i. e., 29]. 1278, 160 pp. 8°. Proc. board aldermen; Index.

#### 1880.

v. 1. Jan. 1 [5] to June 30 [i. e., 28]. Brooklyn: Printed for the Corporation, 1880. 1156, 124 pp. 8°.

Proc. board aldermen; Index.

July 1 [3] to Dec. 31 [i. e., 30]. V. 2. 852,

Proc. board aldermen; Index.

Title changes to:

Proceedings of the Common Council of the City of Brooklyn.

#### 1881.

v. 1. Jan. 1 [3] to June 30 [i. e., 27]. Brooklyn: Printed for the Corporation, 1881. 1327, 164 pp. 8°.

Proc. board aldermen: Index.

v. 2. Lacking.

#### 1882.

v. I. Jan. I [2] to June 30 [i. e., 26]. Brooklyn: Printed for the Corporation, 1882. 1155. 143 pp. 8°.

Proc. board aldermen; Index.

v. 2. July I [3] to Dec. 3I [i. e., 26]. 715, 114 pp. 8°.

Proc. board aldermen; Index.

#### 1888-1894.

Lacking.

#### 1895.

v. 1. Jan. 1 [7] to March 31 [i. e., 26]. Brook-lyn: Printed for the Corporation, 1895. 1164, 97 pp. 8°.

Proc. board aldermen; Index.

v. 2. April 1 to June 30 [i. e., 11]. 1200, 103 pp. 8°.

v. 3. July 1 to Sept. 30. 902, xlii, 903-982, 81 pp. 8°.

Proc. board aldermen; Index.

v. 4. Lacking.

#### COMMON COUNCIL-RULES.

Rules, etc., of the Board of Aldermen of the City of Brooklyn. n. p., 1863. 3 ll. 8°.

#### 1871.

Rules, etc. n. p.: Eagle Print, 1871. 4 ll. 8°. A

#### 1875.

Rules, etc. New York: Collins & Sesnon, prtrs., 1875. 5 ll. 8°.

#### 1877.

Rules of the common council...with a list of city and county officials. Brooklyn: R. M. Whiting & Co,, 1877. 64 pp. pap. 32°.

#### 1880.

A

Rules, etc. n. p., 1880. 6 ll. 8°.

#### 1881.

Rules, etc. New York: G. G. Martin, 1881. 46 pp. pap. obl. 24°.

#### 1883.

Rules, etc. New York: Jas. J. Atkins, 1883. 54 pp. pap. obl. 24°.

#### [ORDINANCES.]

#### 1836.

Ordinances of the city of Brooklyn, passed during the years 1834 and 1835. Brooklyn: Bennet & Douglas, prtrs., 1836. 112, (2), pp. 8°.

#### Brooklyn-Ordinances, Cont'd.

Acts relating to the city of Brooklyn, and the ordinances thereof; together with an appendix, containing the old charters, statistical information, etc., etc. Brooklyn: Printed by John Douglas, 1836. xvi, 109, 62 pp. cl. 8°. A

Contains "Charter of the city of Brooklyn, Brooklyn, 1834," and "Appendix: containing charters and other documents... Brooklyn, 1836."

#### 1840.

Acts relating to the city of Brooklyn, and the ordinances thereof; together with an appendix, containing the old charters, statistical information, etc., etc. Brooklyn: A. Spooner & Son, 1840. 283 pp. 8°.

#### 1850.

The ordinances of the city of Brooklyn. Collated and indexed by Howard C. Cady, and published pursuant to a resolution of the mayor and common council. *Brooklyn: E. B. Spooner, city* 

prtr., 1850.
 224 pp. 8°. (Bd. with: Charter, 1850.)
 A
 A
 A

#### 1857.

Ordinances of the city of Brooklyn, 1857. (In: Charter of 1857. pp. 215-312.)

#### 1865.

Laws and ordinances of the city of Brooklyn, together with such general laws of the state as affect the city in its corporate capacity. New York: Bergen & Tripp, prirs., 1865. 394, 20, zvii pp. 8°. A

#### 1877.

Ordinances of the city of Brooklyn, as adopted by the common council. [Codified and revised Dec. 10, 1877.] (pp. 197-326. In: Charter of 1877.)

Ordinances of the city of Brooklyn, as adopted by the common council, Monday, Dec. 10, 1877. s. p., n. d. Pp. [997-]1124. 8°. A (in: Docs. addressed to Common Council, 1877. no. 44.)

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Current.

**Brooklyn** Daily Advertiser. v. 1, no. 218, 252 (Sept. 30, Nov. 9, 1844). *Brooklyn*, 1844. F°. A

**Brooklyn** Daily Argus. Sept. 15-20, 23-25, 27, 30, Oct. 1-6, 8-21, 23-Nov. 26, 28-Dec. 24, 26-31, 1873; Jan. 2-Mch. 2, 4-19, 21-June 1, 3-6, 9-25, 29-July 23, 25-29, 31-Aug. 4, 7, 12-14, 17, 19, Sept. 3-5, 12, 16-21, 23-26, Oct. 2-23, 1874. Brooklyn, 1873-74. F°.

Brooklyn Daily Eagle. Apr. 5, 9, 10, 1844; Oct. 4, 1862; 1863-65; Jan. 3-6, 9-Feb. 11, 13-23, 26-June 14, 21-22, 25-29, July 2-16, 21, 25-28, Aug. 1-4, 7-9, 11-14, 16-17, 21-27, Sept. 5-7, 10-29, Oct. 1-19, 23-Nov. 10, 13-28, Dec. 5-6, 8, 11-22, 26-31, 1866; Jan. 2-12, 16-17, 21-Feb. 18, 20-21, 23-Mch. 30, Apr. 1-18, 20, 23-May 13, 15, 17-31, June 3-19, 21-22, 25-26, 29, July 1, 5, 8-11, 16, 18-19, 22-23, 29, 31, Aug. 1, 7-9, 12-14, 16, 19-23, 27, 29-31, Sept. 4-5, 7, 9, 13-14, 17-27, 30, Oct. 1-2, 4-7, 9-10, 12-Nov. 2, 4, 6-18, 20-27, 29, Dec. 2-4, 6, 1867-June 11, 1875; 1877-1901. Brooklyn, 1844-1901. F°.

--- Index, 1891-1900.

**Brooklyn** Daily Freeman. no. 593, 595 (Aug. 14, 16, 1851). *Brooklyn*, 1851. F°. A

Brooklyn Daily News. N. S., v. 3, no. 91, 284 (Mch. 7, Oct. 23, 1843). Brooklyn, 1843. F°. A Continuation of "Brooklyn Daily News and Long Island Times."

Brooklyn Daily News and Long Island Times.
v. 1, no. 130, 205 (Mch. 31, June 30, 1841); N. S.,
v. 2, no. 55 (Jan. 10, 1842). Brooklyn, 1841-42.
F°. A
New Series edited by W. K. Northall. Continued as
"Brooklyn Daily News," (J. S. Noble).

Brooklyn Daily News, "(J. S. Noble).

Brooklyn Daily Programme. Morning edition.

L. E. L. Briggs, editor. v. 4, no. 166, 167, 170, 209-211, 213, 217, 219-221, 224-228, 231-233, 237; v. 5, no. 76 (July-Dec., 1867). Brooklyn, 1867.

F°. I.

From no. 209 called: "Morning Programme."

**Brooklyn** Daily Programme. Devoted to the Drama, Music, Art, &c. L. E. L. Briggs, editor. [Evening edition.] v. 4, no. 100, 104, 177, 183, 236, 241, 242, 248, 254; v. 5, no. 46, 49, 55, 57, 69, 96, 116, 117, 138, 158, 164, 167, 169; v. 6, no.

5, 6, 12, 13, 20, 24, 30, 32, 52, 55, 58, 68, 80, 84, 96, 119, 129, 135, 138, 141, 147, 153, 182, 185, 207, 218, 301, 311, 313; v. 7, no. 5, 18, 85 (May, 1867–Jan., 1870). *Brooklyn*, 1867–70. F°. L v. 4-5 have title: "L. E. L. Briggs' Daily Programme."

Brooklyn Daily Record. The Brooklyn law journal. All real estate records of Kings county published daily. v. I-2. Brooklyn, 1882. F°. A v. I, no. I-30 have subtitle: "Devoted to legal matters and real estate transactions." v. I, no. 47, 91, 93, 105, 106, 109, 115, 116, 139; v. 2, no. 173, 174 missing.

Brooklyn Daily Register. v. 1. no. 120. Brooklyn, 1869. F. A

**Brooklyn** Daily Stage. Sept. 10, 1877-Jan. 14, 1878. *Brooklyn*, 1877-78. F°. A

**Brooklyn** Daily Times. July-Dec., 1881; Nov., 1899-1901. *Brooklyn*, 1881-1901. F°. A

Lacking: Nov. 18, 22, 25, Dec. 5, 7, 23, 30, 1899; Mch. 8, 10, June 13, Nov. 13, 1900.

Brooklyn Daily Union. See Standard Union.

**Brooklyn** Daily Union-Argus. See Standard Union.

**Brooklyn** Evening Star. A. Spooner, editor. v. 34, no. 599, 689, 711; v. 35, no. 856; v. 36, no. 1233, 1343; v. 54, no. 36; v. 55, no. 13, 14, 15 (1842-45, 1862-62)

(1842-45, 1862-63). Brooklyn, 1842-63. F°. A

Brooklyn Journal. [Weekly.] v. I, no. I
(Sept. 16, 1871). Brooklyn, 1871. F°. A

Brooklyn Journal. [Quarterly; later monthly.]
Advertising sheet. no. 10 (Dec., 1868). Brooklyn,
1868. F°. A

**Brooklyn** Leader. [Weekly.] v. I, no. 31, 34 (Oct. 9, 30, 1880). *Brooklyn*, 1880. F°. A

**Brooklyn** (The) Press. J. H. Broach & Bro., Pubs. and Props. v. 1, no. 6, 10, 12, 14-18, 20-21, 23, 25, 30, 32, 34-36, 38, 47, 49-54, 56, 58-61, 63-83. *Brooklyn*, 1867. 51 nos. F°. L

Brooklyn (The) Press; official journal of the taxpayers of Brooklyn. W. P. Griffith, editor. [Weekly.] v. 2, no. 2 (Oct. 28, 1880.) Brooklyn, 1880. F<sup>5</sup>.

**Brooklyn** Review. [Weekly.] v. 2, [no.] 45 (Nov. 8, 1874). *Brooklyn*, 1874. F°. A

Brooklyn Standard. [Weekly. Established 1859 by J. R. Del Vecchio.] v. 8, no. 42 (Aug. 3, 1867). Brooklyn, 1867. F°. A

Brooklyn Standard. [Daily.] v. 1, no. 22 (Nov. 6, 1884). Brooklyn, 1884. F°. A Brooklyn Union. [] See Standard Union. **Brooklyner** Freie Presse. [Daily.] Jahrg. 20, no. 160 (June 9, 1883). *Brooklyn*, 1883. F°. A

**Brooklyner** Presse. [Daily.] Jahrg. 1, no. 176 (July 20, 1875). *Brooklyn*, 1875. F<sup>5</sup>. A

Daily Argus. See Brooklyn Daily Argus.

Flushing Evening Journal. [Daily.] v. 21, no. 107. (Jan. 2. 1901.) Flushing, 1901. F°. A

Long Island Farmer and Queens County Advertiser. [Weekly.] 1840 (Feb.-Dec., 14 nos.); 1841 (37 nos.); 1842 (45 nos.); 1843 (50 nos.); 1844 (44 nos.); 1845 (20 nos.); 1846 (38 nos.); 1847 (37 nos.). Old ser. v. 44, new ser. v. 33, no. 8 (May 2, 1865); old ser. v. 45, new ser. v. 34, no. 29 (Sept. 25, 1866). Jamaica, 1840-1866. F°. A

Long Island Reformer. [Monthly.] v. 1, no. 5 (Jan., 1896). Long Island, 1896. F°. A

Long Island Traveller. [Weekly.] v. 26, no. 5 (Oct. 2, 1896); v. 27, nos. 19-52 (Jan. 7-Aug. 26, 1898); v. 28, nos. 1-52 (Sept. 2, 1898-Aug. 25, 1899); v. 29, nos. 1-53 (Sept. 1, 1899-Aug. 31, 1900); v. 30, nos. 1-52 (Sept. 1, 1900-Aug. 30, 1901); v. 31, nos. 1-date (Sept. 6, 1901-date). Southold, 1896-1901. F°.

New Era. Weekly edition. v. 3, no. 1 (Jan. 6, 1888). New York, Brooklyn and Jersey City, 1888. F°.

**People's** (The) Journal. [Weekly.] v. 1, no. 49 (May 18, 1867). *Brooklyn*, 1867. F°. A

**Reform.** Familienblatt für Fortschritt, Unterhaltung, Belehrung, Kunst und Wissenschaft. Jahrg. 6, no. 38 (7 April, 1877). Williamsburgh, 1877. F°.

**Saturday** Journal. [Weekly.] v. 3, no. 20 (Apr. 17, 1897). *Brooklyn*, 1897. F°. A

Standard Union (The). [Daily.] 1863, Sept.—Dec, (v. 1, no. 1-92); 1864, Aug., Sept., Oct. (v. 1, no. 290; v. 2, no. 9-41); 1865, Sept. 2, Oct.—Dec. (v. 2, no. 297; v. 3, no. 16-19: 77 nos.); 1866, Jan.—Dec. (v. 3, no. 92-v. 4, no. 91); 1867, Jan.—Dec. (v. 4, no 92-v. 5, no. 91: 282 nos.); 1868, Jan.—Dec. (v. 5, no. 92-v. 6, no. 91: 251 nos.); 1869, Jan.—Nov. (v. 6, no. 92-v. 7, no. 63: 258 nos.); Feb. 1870—Jan. 1874 (v. 7, no. 118-v. 11, no. 119); 1876, Aug. 9-Dec. (v. 13, no. 283-v. 14, no. 92: 114 nos.); 1877, Jan.—Dec. (v. 14, no. 93-v. 15, no. 91); 1879, Mar. 1886 (v. 16, no. 90-v. 23, no. 206); 1887—1900 (v. 24, no. 207-v. 37, no. 171); 1901, Jan. 2 (v. 37, no. 171). Brooklyn, 1863—1901.

From 1864-1868 called "Brooklyn Daily Union," 1869-Jan. 1877 "Brooklyn Union," Feb. 1877-Mar. 1883 "Brooklyn Daily Union Argua," Mar. 1883-Apr. 1887 "Brooklyn Union," since Apr. 1877 "Standard Union."

Tax (The) Reform Advocate. [Weekly.] v. 3, no. 36 (Dec. 21, 1889). Brooklyn, 1889. F°. A

#### CALENDAR OF THE BARBOUR PAPERS, 1811-1841.

The Barbour Papers, purchased by the New York Public Library in 1897, consist mainly of letters to James Barbour (governor of Virginia, senator, secretary of war, and minister to England) from men prominent in American politics between 1811 and 1841. A few letters by Barbour have been added, from the Ford collection. The collection includes also family letters and other private papers, but only letters that relate to public affairs are included in this calendar. The arrangement is chronological, with an alphabetical list of writers at the end.

Johnson (Richard Mentor). Washington, Dec. 9, 1811. To James Barbour, Richmond, Va. He regrets the defeat of Barbour in the election for governor of Virginia, but reminds him of his growing popularity and advises him not to retire; the debate on war or submission is to begin this day; war spirit in the house; before they adjourn, war measures will be adopted, that is, letters of marque and taking the Canadas; they have found difficulty in fixing the ratio of representation, but will probably compromise on 33,000. A. L. S. 3 pp. 4°.

Jefferson (Thomas). Monticello, [Va.,] Jan. 22, 1812. To Gov. [James] Barbour. In answer to the question whether in case of a division of council the practise was for the governor to give the deciding vote, he answers that the governor is not a counsellor and his vote can make no part of an advice of council; however, when council is divided, the governor is free to act on his own responsibility; otherwise government would stand still, and delay in executive functions may be ruinous. A. L. S. 4 pp. 4°.

Printed in Writings of Jefferson, vol. 6 (N. Y., 1855) p. 38; and in Ford's Writings of Jefferson, vol. 9 (N. Y., 1898) p.

Duane (William). Philadelphia, Feb. 24, 1813. To Gov. [James] Barbour. Recommends the use of the torpedo for the defence of Virginian waters; will forward Fulton's pamphlet with drawings on the subject; as the naval gentlemen are jealous of a professional rival, the experiment might be tried in their absence, with local craft and watermen; in the spring the British will probably pass up to their old ground at Yorktown; Fulton has some of the machines in preparation, and if the British do not blockade their own friends in New York and Boston, these might well be used in clearing the Chesapeake; the measure should be conducted without the knowledge of the general government, for fear of spies at Washington; the honor of the state would then be a glorious contrast with the traitorous course pursued eastward. A. L. S. Endorsed. 3 pp. 4°.

**Duane** (William). Philadelphia, Mar. 10, 1813. To James Barbour, Richmond, Va. Alludes to a former letter on the subject of torpedoes; he wrote to Fulton at the same time, and encloses the latter's reply; it is important to make a striking example of some one ship of the enemy; he recommends that a corps of watermen be formed in the Chesapeake, with a fleet of shallops, ostensibly for preventing smuggling and the supply of provisions to the enemy; the torpedo might then be introduced with-

out *telat* or warning; the U. S. government would contribute arms and ammunition, though perhaps it might not countenance the plan at first, because of the too prevalent state jealousies. A. L. S. Endorsed. 3 pp. 4°.

Madison (James). Washington, June 16, 1814. To Gov. [James] Barbour. In answer to a letter of the 13th inst. he says that late events in Europe put it in the power of Great Britain to direct a greater force against the United States; they cannot rely on her being restrained by an estimate of her own interest in making peace, or by respect for the sentiments of her allies; to meet the threatened invasion the regular troops will be used as far as they go, the deficiency must be supplied by militia; the strength and destination of the enemy being unknown, an immediate call for the militia would have certain disadvantages; those states that have military means of their own will use them as they think best. A. L. S. 3 pp. 4°.

Printed in Letters and Writings of Madison, vol. 2 (Phila., 1865) p. 583.

**Monroe** (James). Washington, Oct. 26, 1814. [To James Barbour.] Encloses a copy of his report to the committees of congress in order to show the views of the executive respecting the measures proper to be adopted for the defence of the seaboard, and for offensive operations elsewhere; it is a delicate question how far the number required in this plan might be lessened in expectation that a part of the force would be raised by the individual states; if one state were allowed to raise troops with that understanding, others and all might claim the privilege, and some states might fail in raising men, or might not even try; however, such forces would certainly be superior to the militia, and in case the invasion of a state made necessary a call for the militia, the offer of such a force as a substitute would gladly be accepted; the enclosed paper is communicated in confidence, but may be shown to proper friends. A. L. S. 2 pp., 1 l. 4°.

Giles (William Branch). Washington, Nov. 20, 1814. To James Barbour. He thanks Barbour for his aid in repelling the unmerited attacks of deluded partisans, and congratulates him on his election to the senate, wishing that they might have had his counsel there before, to avert some portion of the evils that have befallen the country; he purposes to resign after March 4, unless impelled to serve out the term by outrage and injustice. A. L. S. 2 pp. 4°.

Bernard (Simon), Baron. Paris, Nov. 10, 1815. To Henry Jackson, chargé d'affaires of the United States at Paris. Sends the letter written to the secretary of war of the United States, and adds a recommendation of himself by Gen. La Fayette; he regrets the absence from Paris of M. Carnot, who as governor of Antwerp in 1814 was in a situation to judge of the great works executed by him there; will arrange his affairs while awaiting the reply of the secretary. Translation in the handwriting of W. H. Crawford, signed by him. 2 pp. 4°.

Enclosed in Crawford's letter to Barbour of Apr. 9, 1816.

**Barbour** (James). Washington, Dec. 5, 1815. To James Barbour, Jr., Cambridge [Mass.]. Encloses the president's message; it is pronounced by all parties one of the happiest efforts of Madison's mind. A. L. S. I page, I leaf with address. 4°.

Roane (Spencer). Richmond, [Va.,] Jan. 4, 1815 [i. e. 1816]. To James Barbour, Washington. The legislature on the preceding day appointed Gen. [Armistead Thomson] Mason to be Barbour's colleague in the senate; the legislature is besieged by deputies from various unchartered banks in the upper country, praying for charters; dreadful state of the banks at Richmond; if congress had the power, a national bank or a national currency ought to be established; inquires as to the proposed naval depot in York River; Mr. Hay's speech on the mandate question is in the Enquirer of this day; public opinion, including that of Jefferson, favors the decision of the court; he thinks congress must act on the question, for the 25th section of the judicial act can never be enforced in Virginia. A. L. S. 2 pp. and I leaf with address and endorsement. 4.

Swift (Joseph Gardner). Washington, Jan. 6, 1816. To William H. Crawford, Sec. of War. Recommends an increase in the number of officers of the engineer corps by the addition of one lieutenant colonel, two majors, six captains, and twenty lieutenants, the grade of second lieutenant to be abolished; such an increase necessary for the construction of proposed new fortifications, as well as for repair of old ones, coast survey, and other engineering work. A. L. S. Endorsed. 4 pp. 4°.

Enclosed in Crawford's letter to Barbour of Apr. 9, 1816.

Roberdeau (Isaac), and Anderson (James). Washington, Jan. 15, 1816. Memoir to the secretary of war, pointing out the value and usefulness of the topographical department; they presented to Gen. Swift partial reports on their own surveys of the Champlain frontier, the Cadaraqui, Lake Ontario, and Niagara during the past year; their field notes are ample, requiring only time for perfect arrangement; they recommend a complete survey of the frontiers of the United States, a work which, together with the survey of the sea-coast and the establishment of the Canadian boundary, could best be done by a corps of topographical engineers. Copy, in the handwriting of Roberdeau, signed by him. 7 pp. 4°.

Enclosed in Roberdeau's letter to Barbour of Feb. 2, 1816.

Roberdeau (Isaac). Washington, Feb. 2, 1816. To James Barbour, chairman of the committee of senate on military affairs. Encloses copy of a memoir lately presented to the secretary of war on the subject of the topographical department; detached drawings and separate reports on the most

important places on Champlain, Ontario, and Niagara had also been presented to the secretary; Maj. [John] Anderson and himself ask permission to exhibit these to Barbour. A. L. S. I page, I leaf with address. 4°.

**Barbour** (James), and others. Washington, Feb. 9, 1816. [To the Virginia Legislature.] On arriving here they supposed that Monroe would receive the undivided support of the republican party, but they find that serious dissensions are likely to ensue; Crawford's friends assert that he has a majority in congress; believing that the purpose of a caucus is to give concert to public opinion and not to attempt to influence it, and believing that the people desire to elect Monroe, they have resolved to refuse a caucus if Crawford is pressed; in a caucus, New York would throw her weight against them, though it is doubtful whether a single republican elector can be elected in that state; also, Vermont, New Hampshire, and Massachusetts are now represented by federalists who would be excluded from caucus, although all those states will probably choose republican electors; they therefore advise that the legislature recommend such persons for electors as will conform to the wishes of the state, postponing their action however until the close of the session; this letter is intended for republican friends only. A. L. S. Signed also, Armistead T. Mason, James Pleasants jr., Tho: Newton, Wm. H. Roane, Hugh Nelson. Endorsed. 3 pp. 4°.

Roane (Spencer). Richmond, [Va.,] Feb. 12, 1816. To James Barbour, Washington. Acknowledges letter enclosing Barbour's speech [on the act to regulate commerce according to the convention of 1815]; he has differed with Barbour on this subject ever since 1795, when the opposite doctrine was the one generally held by republicans; he considers it dangerous to expound the constitution in such a way as to extend the treaty-making power; as for confidence in the president and senate, Burcame near being president, and Gunn, Dayton & Co. were senators; the republicans in the legislature will have a caucus to nominate electors; the opinion here will prevail, to run Monroe, whatever is done at Washington, unless it would endanger the cause and bring in a federalist; he has just been approached on the subject of making Jefferson an elector. A. L. S. Endorsed. 3 pp. 4°.

Jefferson (Thomas). Monticello, [Va.,] Mar. 5, 1816. To James Barbour, Barbourville, Orange [Va.]. Sends certain seeds and plants, with directions and description. A. L. S. I page, I leaf with address. 4°.

Micholas (Wilson Cary). Richmond, [Va.,] Mar. 16, 1816. To the Senators and Representatives from Virginia in Congress. In compliance with enclosed resolutions of the general assembly, he has asked the attention of the president and governors of states interested in the matter to the protection of Chesapeake Bay in time of war; it is now possible for a small hostile force to cut off commerce, and gain admission to the heart of the country, as was experienced in the late war; considering the bulk of produce involved, and the weight of population, there is no object more important to the United States; it would be most desirable to fortify the Capes of Virginia; if this be

impracticable, the lowest position on the bay that affords a good harbor should be fortified. L. S. 3 pp., and I leaf with copy of resolutions. 4°.

Crawford (William Harris). War Department, [Washington,] Apr. 9, 1816. To James Barbour, chairman of the military committee. Trans-Crawford (William Harris). mits papers, including a report by Gen. Swift of the corps of engineers; the General is anxious that provision be made for one or more of the able engineers now obtainable in France; Bernard, though a major general, would probably accept an appointment as brigadier; it would be taxing Gen. Swift's patriotism too highly to suppose that he would solicit the appointment of another over his own head; two brigadiers will therefore be necessary in the corps, in order to secure Gen. Swift's present rights, and at the same time obtain for the country the services desired in the important fortifications to be undertaken; the recommendation for abolishing the grade of second lieutenant in the corps is reasonable. A. L. S. 3 pp. 4°.

Lee (Roswell). U. States Armory, Springfield, Mass., Apr. 16, 1816. Report on the Springfield Arsenal, describing the buildings and machinery, and stating the number of men employed and the quantity of muskets manufactured. D. S. 2 pp. F°.

Jefferson (Thomas). Monticello, [Va.,] Jan. 19, 1817. To James Barbour, Washington. Having an intimate acquaintance with Col. Trumbull, he can bear witness to his worth as a man and a painter; in Europe, Trumbull was considered superior to West; Baron Grimm gave him the preference, and came often to Jefferson's house in Paris to see his works; in England, West was preferred by the king, and others followed suit; it is desirable that Trumbull's paintings should be retained in this country. A. L. S. I page, I leaf with address. 4°.

**Barbour** (James). Senate Chamber, [Washington,] Mar. 3, 1817. To [Henry] Clay, Speaker of the House of Reps. Concerning the proposed occupation of the chamber of the house by the senate in order to attend the inauguration of the president, and the view expressed by Clay, in conversation, that such occupation would be an assumption and any order of the senate for arrangement of the furniture inadmissible; the views of the senate committee are essentially different. L. S. I page. 4°.

Clay (Henry). House of Representatives, [Washington,] Mar. 3, 1817. To James Barbour. The senate has no right to regulate the hall of the house of representatives, or to arrange the furniture thereof, or introduce other furniture without the concurrence of the house; at the same time the house would be pleased to have the senate attend in the hall next day during the inauguration, when the furniture of the hall will be quite at their service. A. L. S. I page, I leaf with address. 4°.

Monroe (James). [Washington,] Mar. 3, 1817. To James Barbour. He hopes that the law respecting the claim of Georgia, on account of her land cession, may pass this night, as the continuance of Mr. C. [Crawford?] in the administration depends on it. A. L. S. I page, I leaf with address. 4°.

Barbour's reply is calendared as Em. 14998.

King (Rufus). Jamaica, L. I., Aug. 18, 1818. To James Barbour, Barboursville, Va. Public opinion in New York and the east will support the measures of the last session concerning navigation; the reunion of public opinion on this subject will have happy results for the country; they have little to hope from concessions by England; industry must be protected by cautious regulations, such as the navigation law, which closes the ports against Nova Scotia and New Brunswick in spite of England's device of a free port law respecting those colonies; it may become necessary to suspend trade with Bermuda and the Bahamas. A. L. S. 3 pp. 4°

Preston (John). Richmond, [Va.,] Dec. 14, 1818. [To James Barbour?] Concerning the bill before the senate for erecting a judicial district on the western waters, the delegates from the western section in the Virginia legislature concur in recommending that the boundaries of the counties should be followed, rather than the natural boundaries proposed in the bill, as the summit of the Allegany is equivocal in many parts, with much interlocking of the heads of watercourses, whereas the county lines are well determined, either by actual running, or by strong natural features. A. L. S. 4 pp. 4°.

Ritchie (Thomas). Richmond, [Va.,] Jan. 4, 1819. To James Barbour, Washington. He had already put to press Madison's Report before it was ordered by the house of delegates; description of the work; they are all waiting with anxiety for the coming on of the Missouri question; asks if the Florida project is defunct; he has received a MS from one of the ablest heads of Virginia, a'98 man, entitled Construction construed, and State Rights defended; thus the spirit moves. A. L. S. 3 pp.

Brockenbrough (William). Richmond, [Va.,] Jan. 25, 1819. [To James Barbour, Washington.] Acknowledges copy of Barbour's speech on the new judiciary bill, and agrees with him in thinking that the judges of the supreme court ought to be exclusively judges of that court, and that the judges of the district courts of the U. S. ought to be and are able to perform all the duties of the present circuit courts; he does not see the necessity for additional judges, and this great increase of executive patronage ought to be avoided; he hopes they may not live to see all the powers of government converging to the executive vortex. A. L. S. 4 pp. 8°.

Roane (Spencer). Richmond, [Va.,] Jan. 30, 1819. To James Barbour, Washington. He agrees with Barbour's course on the judiciary bill and the proposed amendment to the constitution; while he would support the federal judiciary in all its legitimate objects, he would not set up a batch of courts strong enough to withdraw from the state courts their proper powers, nor would he reproduce the horde of judges which in the days of Adams was so abhorrent to the American people. A. L. S. I page, I leaf with address and endorsement. 4°.

Roane (Spencer). Richmond, [Va.,] Feb. 16, 1819. To James Barbour, Washington. Though he was one of those who did not see that congress possessed the power to establish the bank, he now concurs in the necessity of supporting it, as general distress would follow its arrest or even the too hasty winding up of its affairs; a memorial has been

drawn up here, on the subject, and will be forwarded; with respect to [Andrew] Jackson, while his conduct was violent and irregular to say the least, his enormities were perhaps inseparable from that boldness of character which had made him so useful. A. L. S. 2 pp., 1 leaf with address. 4°.

Crawford (William Harris). Washington, Sept. 18, 1819. To James Barbour. He regrets that owing to the state of finances and the absence of other heads of departments, his duties as secretary of the treasury will prevent him from visiting Barbour in Orange; he has no intention, as seems to be feared, of assailing the state banks; discusses at length the subject of the currency and the contest between the bullionists and the antibullionists; an inconvertible paper currency might be devised, more uniform in value than one convertible into coin; tendency of specie to appreciate, owing to growth of population; other factors in the case; discussion of the affairs of the Bank as affecting the country at large. A. L. S. 16 pp. 4°.

Monroe (James). [Washington,] Feb. 3, 1820. [To James Barbour.] He has reflected on Barbour's statement of the day before, that they would have a majority of only one vote on the question of making the admission of Maine dependent on the admission of Missouri without restriction; he thinks the best course for the Union and for the southern states would be to separate the two questions and admit Maine; this could be done with honor, and with advantage to the object desired, that is, the unqualified admission of Missouri; he advises the southern members to say that they had acted in self defense, to save the constitution and the peace of their country, but that they had now resolved on a different course, and, in view of the patriotism of Maine, and the distressing dilemma of those eastern members who, in order to save the constitution, had voted with them against their own constituents, they would admit Maine and leave the question of Missouri to rest on its own merits; this course would put the southern members on high ground, and would secure a better result in the end. A. L. S. Endorsed. 3 pp. 4°.

Tucker (Henry St. George). Battaill's, 11 miles above Fredericksburg, [Va.,] Feb. 11, 1820. To James Barbour, Washington. He cannot describe the sensation in Richmond over the intelligence conveyed in Barbour's letter; a compromise that gives up the fairest portion of the western territory can never be grateful to them; if it is done to secure admission to Missouri, better that she should wait; if it is for fear that the president may lose his election, they are unwilling to purchase his services at the price of the rights of the south; the caucus adjourned accordingly; he trusts they will be able to find some man not committed to their foes, the northern politicians; asks whether [Langdon] Cheves might be looked to in such an event; Monroe must either retain his southern friends, or exchange them for those of the north. A. L. S. 2 pp. F°.

Madison (James). Montpellier, [Va.,] Feb.14, 1820. [To James Barbour? Washington?] Acknowledges letter of the 10th, which states that there is a decided majority in one house against the unrestricted admission of Missouri, and a majority in both for applying the restriction to all

territories west of the Mississippi, but that in a spirit of compromise Missouri will be admitted without restriction, and the restriction as to territories will be confined to the space north of latitude 36° 30'; between these alternatives, he thinks the latter is preferable as a lesser evil, to those who regard both as evils; but since the advocates of restriction yield the principle by such a partition, he asks why in equity the partition should not correspond with the estimated proportions in which the common property was paid for by the two kinds of owners. A. L. S. 2 pp. 4°.

Crittenden (John Jordan). Frankfort, [Ky.,] Apr. 3, 1820. To James Barbour, Washington. He hopes to get a favorable decision for Barbour in his suit for lands in this state; regrets his own absence from congress during the debate on the Missouri question, when he would have wished to take his part in the great battle fought for the constitution; as soon as he can make \$50,000 he will again be a candidate for the senate. A. L. S. Endorsed. 3 pp. 4°.

United States.—Senate. Nov. 20, 1820. Order appointing [James] Barbour, [Nathaniel] Macon. [James] Brown, [William] Hunter, and [Rufus] King to be the committee on foreign relations. A. D. S., Charles Cutts secy. I page. F°.

Crawford (William Harris). Washington, July 25, 1821. To James Barbour. The French negociation is not finally broken off, but it cannot succeed in any one point; he fears the development of a hostile spirit between the two countries; and some act of retaliation by France for the supposed indignity to her flag in the case of the Apollo.

A. L. S. 4 pp. 4°.

Ritchie (Thomas). Richmond, [Va.,] May 21, 1823. To James Barbour, Barboursville, Orange [Va.]. He has been so much gorged with mere trash on the presidential election that he entreats Barbour to execute his design of addressing the people on the merits of W. H. C[rawford]. A. L. S. I page, I leaf with address. 4°.

Monroe (James). Washington, June 14, 1823. [To James Barbour.] Encloses a letter from S. Gouverneur written to ascertain the allegations made against the appointment of Mr. Prevost as chargé d'affaires to Peru; he has great difficulty in filling the vacancy occasioned in the supreme court by the death of [Henry Brockholst] Livingston; [Smith] Thompson declines it, for fear of injury to his health; objections to some of the other names proposed. A. L. S. 2 pp. 4°.

Duval (William P.) St. Augustine, [Fla.,] Aug. 12, 1823. To James Barbour, Barboursville, Orange, Va. Acknowledges letter of June 13 by E. Macon; the latter distinguished himself in a murder trial the day after his arrival, triumphing over an old and cunning lawyer; he will befriend Macon, whose principles are purely those of Virginia; he has had some trouble and abuse in this territory; the people have always been with him, but the Yankees, whom he cannot trust with small appointments, have slandered him; New York has sent her worst spawn to this territory; the northern men are much enraged at the influence of Virginia. A. L. S. 3 pp. 4°.

Van Buren (Martin). Albany, [N. Y.,] Oct. 9, 1823. To James Barbour, Barboursville, Va.

The delegation is so scattered that he cannot say ! what their feelings would probably be on the question of a clerk, but doubts whether they would be inclined for a change; he is gratified by the expectation that Barbour and himself will be on the same side in the coming contest. A. L. S. 2 pp., I leaf with address. 4°

Hay (George). Washington, Nov. 22, 1823. To James Barbour, Orange Co., Va. He understands that at the close of the last session of the senate, the members were disposed to dismiss their secretary; a proposition directing a biennial election of secretary was brought forward; if the place becomes vacant, he should like to be appointed; the office is totally unconnected with the president, and he would have time during the recess to accomplish a purposed work on constitutional law. A. L. S. 2 pp., I leaf with address and endorsement. 4°.

Madison (James). Montpellier, [Va.,] Dec. 5, 1823. To James Barbour. The message of the president indicates the sentiments of the country with respect to cooperation with Great Britain against the resubjugation of South America by the allied powers; resolutions by Congress would also be of avail; they should move hand in hand with Great Britain in awing the powers into forbearance; failing in that, they must then use means which cannot fail; this hemisphere must be protected from the doctrines and despotisms of the other. A. L. S. 2 pp. 4°.

Printed in Letters and Writings of Madison, vol. 3

(Phila., 1865) p. 350.

**Tyler** (John). Richmond, [Va.,] Jan. 5, 1824. To James Barbour, Washington. He knows not how to account for the vote rejecting the resolutions recommending congress to hold a caucus for naming a presidential candidate; men whom he had trusted deserted him in the hour of trial, nor is [Thomas] Ritchie blameless; a caucus is to be held this night; he fears it will break up in confusion; writing later he says that they went into caucus and came out triumphantly with only four negatives; Virginia stands erect once more. A. L. S. 2 pp., I leaf with address. 4°.

Monroe (James). [Washington,] Mar. 14, 1824. [To James Barbour.] He is greatly surprised by the insulting and reproachful terms addressed to him in the paper from the senators and representatives of Georgia; the address to the Cherokee chiefs now here was drawn up by himself and read to [John] Elliot and [John] Forsyth, who seemed to approve it; their comments are therefore the more inconsistent; he has lost no opportunity of pressing cessions from the tribes within the state, and with good effect; he desires to have this paper shown to Crawford, who, as he thinks, knew nothing of the proceeding, with a view to having it withdrawn; if submitted to congress with the other papers, the sentiments relating to the Indians, urging the right and obligation of the United States to drive them from the country, would hurt the feelings of the whole Union. A. L. S. 3 pp. 4°.

Monroe (James). Washington, Mar. 16, 1824. To James Barbour. He will send a message to congress, in compliance with the wishes of the executive of Georgia, to bring under consideration that state's desire for a further cession from the Creeks; he wishes Barbour to see Crawford on the subject of withdrawing the offensive letter of the Georgia representatives; if not withdrawn, he must submit it to congress with the other documents. A. L. S. 2 pp., 1 leaf with address.

Pleasants (James). Richmond, [Va.,] Mar. 25, 1824. To James Barbour and John Taylor, U. S. Senate, Washington. He forwards the required information respecting Virginia's claim for interest on money advanced to the general government during the late war; the auditor prepared the accounts; Chapman Johnson added thereto a statement presenting the case and recommending that it be adjusted without the passage of a law. A.L.S. 2 pp., I leaf with address. 4°.

The papers referred to are printed in Calendar of Virginia State Papers, vol. 10, p. 506.

Harrison (William Henry). Cincinnati, Apr. 18, 1824. To James Barbour. He deeply regrets the divisions in the democratic party; though opposed to caucus nominations, he has never ceased to vindicate the men who composed that recently held at Washington, as well as the nominee [Crawford], from the uproar raised against them; the people of Ohio are so strongly against Crawford, that if chosen an elector he could not rightly vote for the latter, even if his own favorite candidate, Clay, were to withdraw; however, if Clay withdrew before the election for electors, Harrison would be willing to offer himself as a Crawford candidate; he inquires what the course of Crawford's friends in Virginia will be if they find that the vote of New York will not be in his favor; if they persevere for Crawford, they run the risk of elevating Adams or Jackson; the latter has considerable strength in this state; his supporters appeal to the passions of the people, hence the difficulty of arresting their progress. A. L. S. Endorsed. 4 pp. 4°.

Jefferson (Thomas). Monticello, [Va.,] May 2, 1824. To James Barbour, Washington. government could not take into its employ a man of more integrity than Cathcart; while consul on the Barbary coast immense sums passed through his hands; inquires what may be expected as to the \$50,000 for the University; if they get it, they can open splendidly Feb. 1; if not they must start without books or apparatus. A. L. S. I page, I leaf with address.

Gales (Joseph), and Seaton (William Winsston). Washington, Oct. 17, 1824. To James Barbour. Gallatin has authorised them to withdraw his name from the contest for the vice presidency; this will be done as soon as they hear from Richmond as to a substitute; they suppose Clay will be named as more acceptable to the people than Gallatin or any other; he may decline to serve; if so, his refusal will be too late to affect the elections, and it will then be time enough to offer another candidate to the electors. L. S., Gales & Seaton. I page. 4°.

Barbour (James). Richmond, [Va.,] Dec. 1, 1824. To Gales and Seaton, Washington. The electoral college voted unanimously for Wm. II. Crawford for president and Nathaniel Macon for vice president; a vacancy having been made known to the legislature the day before, Col. Wyatt was elected as a Crawford man, with but three negatives. A. L. S. 1 page, 1 leaf with address and endorsement. 4°.

Hall (Bolling). Ellerslie, Montgomery Co., Ala., July 15, 1825. To James Barbour. In the matter of the unfortunate collision between the general government and the governors of South Carolina and Georgia, he thinks the citizens of those states would make any sacrifice for harmony, also that any invasion of their constitutional rights has been through inadvertence; the opinion of the attorney general on the law of South Carolina that prohibits the introduction of free persons of color, saps the foundation of state rights; he blames the Indian agent, Crowell, for insulting the people of Georgia in regard to their election of Gov. Troup, and for making no exertions to carry out the president's views and prepare the Indian chiefs to cede their lands; furthermore, he holds Crowell responsible for the murder of [William] McIntosh, the friendly chief. A. L. S. 3 pp. 4°.

Adams (John Quincy). Aug. 31, 1825. To James Barbour.

Calendared as EM. 1402.

Clay (Henry). Lexington, [Ky.,] July 17, 1826. To J[ames] Barbour. Forwards a letter from Mr. Sloane respecting the survey of a proposed road; they have just heard of the death of Jefferson; all must be pleased that it happened on the day it did. A. L. S. I page, I leaf with endorsement. 4°.

Adams (John Quincy). Quincy, [Mass.,] July 26, 1826. [To James Barbour.] Transmits a letter from R. H. Wilde and John Moore, with certain resolutions of the inhabitants of Summerville, near Augusta, Ga., and a remonstrance against the removal to their vicinity of the U. S. arsenal; respecting the subscription made at Washington July 4 for the benefit of [Thomas] Jefferson, he desires that his part may be transmitted to Jefferson's daughter, Mrs. Randolph, for her own use. A. L. S. I page, I leaf with endorsement. 4°.

Brown (Jacob). H. Q. Saratoga, [N. Y.,] Aug. 13, 1827. To James Barbor [i.e. Barbour]. His tour was a happy one, and he found the army in all respects as well as he had expected; the threatened Indian trouble in Michigan cannot amount to much; from Maryland to Louisiana, public opinion is unfriendly to Adams, but it cannot be called friendly to Jackson; Kentucky is Clay's state; things are gratifying in New York; if the electoral college were chosen by a general ticket, all opposition would sink before the friends of Adams; even as it is, they have nothing to fear. A. L. S. 2 pp. 4°.

Adams (John Quincy). Quincy, [Mass.,] Aug. 21, 1827. To James Barbour, Sec. of War, Washington. He learned with pleasure that the prospects of an extensive combination among the Indians of the northwest was not so menacing as had been apprehended, but waits with some anxiety to hear of the arrival of Gen. Atkinson's command at Prairie du Chien; the renewed complaint of the Creeks against Col. Crowell requires consideration; their pretensions, that they want no agent from a state south of Virginia, and that no part of their annuity should be paid to the Mackintosh party, are both inadmissible. A. L. S. 2 pp., I leaf with endorsement. 4°.

Johnson (Francis). Bowling Green, [Ky.,] Aug. 31, 1827. To James Barbour, Washington.

The past election will be a salutary lesson to their friends in this district, who were so over confident that many did not vote; the opposite party dragged every one to the polls, including many Tennesseeans; the border counties turned the election: the people there had been alarmed a few days before by being told that Adams was an Englishman and that he had written to the king to send over his armies and conquer the country; the pamphlets, handbills, etc., sent into this district must have cost \$2,000; he had rather be left out as an Adams man than elected as a Jackson man; Buckanan's letter created a great hubbub; Eaton, who was not in Nashville when the letter arrived there, was sent for post haste, presumably to mend up B.'s tale; let them fall out among themselves, and the people may be able to see the truth that they are the intriguers and the slanderers of the best men in the nation; when Jackson passed through here in 1825, he told the people that he would not have accepted the presidency on the terms on which Mr. Adams had taken it, of bargain and intrigue; he does not despair of Kentucky, now that their friends have been roused. A. L. S. Endorsed 3 pp. 4°.

Peters (Richard). Philadelphia, Sept. 1, 1827. To James Barbour. A new edition of the pamphlet, The Law and the Facts, exposing the case of the six militiamen, is called for; applications have been made from adjoining states for from 100 to 5,000 copies; the publication has done more in Pennsylvania than any individual effort; he reminds Barbour of the latter's confidential reply to a former letter on the case of the militiamen, on the authority of which reply the statements relative to the correspondence between Gov. Blount and President Madison were made; he wishes to obtain for future editions of the tract any documents that may be in the war department relating to the application by Gov. Blount to the president, the payment of the men under Col. Pipkin, and any correspondence of Jackson on the trial and execution of these men; it is said, on the unofficial authority of a gentleman in the war department, that there is a letter from Jackson in which the execution is admitted to have been a little beyond summum jus; everything indicates a change of opinion in Pennsylvania; they now have almost all the considerate members of the democratic party, as well as three fourths of the federals. A. L. S. Endorsed. 3 pp. 4°.

Powell (Alfred H.) Winchester, [Va.,] Sept. 21, 1827. To James Barbour, Barboursville, Orange Co., Va. The general impression is that a majority of this county is for Jackson, as a result of the noisy course pursued by the latter's friends; he himself thinks differently; the friends of the administration will have a meeting and send delegates to Richmond; neighboring counties will follow a similar course. A. L. S. I page, I leaf with address and endorsement. 4°.

United States.—State Department. Washington, June 12, 1828. Instructions to James Barbour, Envoy Extraordinary and Minister Plenipotentiary to Great Britian, stating in detail the duties of his office. D. S., H. Clay. 34 pp., I leaf with endorsement. F°.

Adams (John Quincy). Washington, June 26, 1828. To James Barbour, Envoy Extraordinary and Minister Plenipotentiary to Great Britian. Barbour's instructions were prepared before the de-

parture of Mr. Clay for Kentucky on the 22d; he invites Barbour to take up his residence with him during the time in which he shall remain here. A. L. S. Endorsed. I page. 4°.

**King** (Charles), and others. New York, July 23, 1828. To James Barbour. The citizens of New York desire to give him a public dinner before he sails as minister to England. A. L. S. Signed also by nine others. 2 pp., 1 leaf with endorsement. 4°.

McKenney (Thomas Lorraine). July 24, 1828. To James Barbour. Sends his reply in pamphlet form to the attack made on him in the *Telegraph*; the newspapers refused to print his reply because of the remarks on [Richard] Cutts and the quotation from the [congressional] committee, both of which were necessary for his own defense and that of Barbour. A. L. S. 2 pp., I leaf with address and endorsement. 4°.

Cutts (Richard). Washington, July 26, 1828. To James Barbour. Barbour's letter of May 31, made public by Thomas L. McKenney, censures Cutts's official conduct in the settlement of McKenney's accounts; he explains his action in the matter; the accounts were in such form that the amount expended for presents to the Indians could not be distinguished from contingent expenses. L. S. Endorsed. 4 pp. 4°.

Cutts (Richard), Washington, July 27, 1828. To James Barbour, New York. As McKenney has intimated an intention of laying his papers before congress, Cutts desires an answer to his letter of the day before; explains further his course with regard to McKenney's accounts. A. L. S. Endorsed. 3 pp. 4°.

Lawrence (William Beach). London, Aug. 16, 1828. To James Barbour. Hearing that Barbour was to sail on the 1st inst. he made arrangements with the customs officers at Liverpool; news of the legation; the King of the Netherlands was selected as arbiter in conformity to the late convention; Great Britian refuses the demands as to jurisdiction on the northeastern frontier; excitement over the new tariff. A. L. S. Endorsed. 4 pp. 4°.

Hughes (Christopher). Brussels, Aug. 27, 1828. To James Barbour, London. Proffers his correspondence; though only a subaltern in the diplomatic corps, he is well versed in European habits; he hopes Barbour may not lose Lawrence, who showed great devotion and skill; recommends the new Swedish minister, Count de Björnstierna; the father of the countess served with Pulaski in America. A. L. S. 4 pp. 4°.

Brown (James). Paris, Aug. 28, 1828. To James Barbour [London]. Alludes to their long friendship and the mutual help they can render in diplomatic questions; France professes to be at peace with all the world, yet if the Porte should reject her plan for the pacification of Greece, the armament that sailed from Toulon may commence hostilities, or it may be employed against Russia in case the Porte submits to terms and Russia pushes her conquests too far; two American ships were freighted by French agents for the expedition from Toulon; the American consul did not consider himself authorised to prevent their sailing; asks advice as to similar cases in future. A. L. S. 3 pp. 4°.

Hughes (Christopher). Brussels, Sept. 16, 1828. To James Barbour, London. Discusses at length the intended marriage of the Princess to Prince Gustavus of Sweden, and the dissatisfaction of the nation as well as the reigning house of Sweden with the match; mentions his own friendship with the King of Sweden during his eight years residence at Stockholm, and the king's regret over the parsimonious policy that withheld from him an American minister of the first rank; he blames the vulgar ignorance of Chilton and the spleen of that parliamentary pedagogue, John Randolph, who consider all diplomatic expenditure useless. A. L. S. 9 pp. 8.

Clay (Henry). Department of State, Washington, Oct. 16, 1828. To James Barbour [London]. Concerning the selection of the King of the Netherlands as arbiter of the disputed points in the settlement of the boundary line under the fifth article of the treaty of Ghent; [Christopher] Hughes is instructed to make application to the King simultaneously with the British minister. L. S. Endorsed. 3 pp. F°.

Gordon (George Hamilton), 4th Earl of Aberdeen. Foreign Office, [London,] Oct. 31, 1828. To James Barbour [London]. Authenticated copies of the documents enumerated in Barbour's note will be furnished him, according to the terms of the convention of 1827, excepting two which do not come within the meaning of the treaty; other papers demanded must be individually specified. L. S. 4 pp. F.

Mercer (Charles Fenton). Washington, Nov. 18, 1828. To James Barbour [London]. The [Chesapeake and Ohio] canal is making rapid strides westward; it will reach the mouth of the Shenandoah next year; beyond Cumberland, its progress will depend on the supply of labor; there are so many public works in America that laborers are difficult to be had even at the high price of ten or twelve dollars per month with board and whiskey; he desires Barbour to promote the effect of an enclosed notice designed chiefly for Ireland; it would be beneficial to England as well as to America to relieve the former country of a wretched and surplus population; after five years every laborer might rely on being able to till a farm of his own; the British ministry might even be willing to encourage the emigration of three thousand hands from Ireland; on [Charles] Carroll's estates are many catholics who have their churches and priests; the Marchioness of Wellesley might aid in the project; asks if Scotch laborers could be brought out from Glasgow. A. L. S. 4 pp.

Rush (Richard). Washington, Nov. 26, 1828. To [James] Barbour [London]. The [Chesapeake and Ohio] canal is going on beyond expectation; contractors have flocked in; if the corporations get their loans, there will be funds enough to complete the work to Cumberland; private subscriptions have been paid promptly, as have the installments of the United States and Maryland; they chiefly want laborers; he has nothing to say about politics, so badly have they been beaten. A. L. S. 3 pp. 4°. In duplicate.

Lawrence (William Beach). Paris, Nov 28, 1828. To James Barbour, London. He regrets that Barbour should meet any inconvenience re-

specting the arbitration convention; the article on the subject of evidence was drafted with care and was a favorite with Gallatin, who conceived that as all the old documents relating to the disputed territory were in possession of the British, it would operate in favor of the United States; the English plenipotentiaries assented to it only after repeated refusals; he thanks Barbour for recommending him as charge d'affaires to Prussia; the French claims are in the same state in which they have been since the restoration of the Bourbons. A. L. S. 4 pp. 4°.

Perkins (Jacob). London, Dec. 5, 1828. To [James] Barbour [London]. He wishes to inform the United States government that his steam artillery is now in tangible shape; a committee appointed by the French government has recommended its adoption; what else he has to communicate shall be in private. A. L. S. 2 pp., 1 leaf with endorsement. 4°.

Hughes (Christopher). Brussels, Dec. 9, 1828-To James Barbour, London. He has not yet received his instructions concerning the reference of disputed points to the King of the Netherlands, though he has seen Lord Aberdeen's instructions to Sir Charles Bagot and a copy of Clay's letter to himself; they are waiting for the arrival of his papers. A. L. S. 2 pp., 1 leaf with endorsement. 4°.

**Monroe** (James). Oak Hill, [Va.,] Dec. 18, 1828. [To James Barbour, London.] He would have written letters of introduction sooner, but was confined for two months by a wound in his leg with accompanying fever caused by a fall from his horse. A. L. S. I page. 4°.

Hughes (Christopher). Brussels, Dec. 19, 1828. To James Barbour, London. He is still without his despatches; it is extraordinary that the instructions for a government agent abroad should first come to him through the representatives of another, and adverse, party; he blames the people at Washington, where nothing seems to have been attended to except the election; a prolongation of the presidential term might remedy this unprofitable state of things; regrets the loss of time in the present business; the king will be much pleased with the choice of him as arbiter; as for the presidency, he cannot agree with Barbour's sentiment "God save the Republic," for though Jackson is not as wise and competent a statesman as Adams, he believes him to be as true a friend of free institutions; alludes to an article in The Age on the president elect, showing the inveterate hatred of the British for America. A. L. S. Endorsed. 4 pp. 4°.

Hughes (Christopher). Brussels, Dec. 30, 1828. To James Barbour, London. Discusses the presidential election; he does not believe that the people were exclusively dazzled by Jackson's military glory; he cannot admit analogies between the people of the old and the new world in the matter of popular gullibility; the delay of his despatches may have been caused by the submission of the business to the senate. A. L. S. 4 pp. 4°.

Barbour (Philip Pendleton). Washington, Jan. 27, 1829. To James [Barbour, London]. He was interested by his brother's description of London; speculates as to Jackson's cabinet; he expects no offer for himself and would not accept one, pre-

ferring the independence of his estate and his private practise; changes in the senate; Adams is said to have written a letter supporting his charge against the federalists of the north; entertainments at Washington. A. L. S. Endorsed. 3 pp. 4°.

Brooke (Francis J.) Richmond, [Va.,] Jan. 27, 1829. [To James Barbour, London.] In the election, everything was lost except honor; it is probable that the tariff may be condemned as unconstitutional, notwithstanding Madison's vindication of it in two letters to Cabell; Barbour's situation is embarassing, but he must consider himself the minister not of any cabinet but of the United States. A. L. S. 4 pp. 4°.

Taliaferro (John). Washington, Feb. 2, 1829. To James Barbour, London. The election closed in a Waterloo rout, with not a vote for Adams south of the Potomac or west of the Blue Ridge; the affected courtesy with which the victors bear their new dignity is amusing; as to official changes, a violent revolution is preparing, but all is uncertain until the hero of the drama arrives; his journey was delayed by the death of Mrs. Jackson; Major Eaton at the same time became entitled by marriage to the possession of Mrs. Timberlake, who it is supposed will do the honors of the White House; Calhoun, Van Buren, and John McLean will work the wires in the new show; jealousy is already apparent among them, and each will make a dreadful scuffle for his friends; he has consulted proper persons as to Barbour's position, and their opinion is that he had better make no move, but abide events; Barbour's colony for Florida arrived at St. Mark's with all well. A. L. S. 7 pp. 4°.

Skinner (John Stuart). Baltimore, [Md.,] Feb. 22, 1829. [To James Barbour, London.] He went to Washington to consult friends with regard to Barbour's position; it is unprecedented for a minister to be recalled without some special reason; as Barbour will probably wish to return in the autumn, it would be better for him to ask for his recall at that time, the next president being satisfied to wait until then to satisfy his partisans; probable composition of the cabinet; Tazewell is thought too anti-tariff for the treasury and will go as minister to England; severe winter; the mail coaches are travelling for more than a hundred miles on the Hudson river. A. L. S. Endorsed. 4 pp. 4°.

Smith (William). Washington, Mar. 17, 1829. To James Barbour [London]. Composition of the cabinet; the postmaster general is admitted to it for the first time; McLean, late postmaster, was appointed circuit judge; no change in the foreign ministers except for the recall of Gen. Harrison, who is succeeded by [Thomas P.] Moore; there is almost a total change in the collector's department, the auditors and chief clerks are quaking with fear; Clay, Calhoun, Van Buren, and perhaps McLean will all be in the field; the contest has evidently begun between them, and the country will be in a state of distraction for the next four years. A. L. S. Endorsed. 4 pp. 4°.

Adams (John Quincy). Washington, Apr. 10, 1829. To James Barbour, London. He received a valedictory address from the citizens of Essex and Middlesex counties in New Jersey, and as it was complimentary to all the members of the late administration, he took the occasion to testify pub-

licly to his own grateful sense of their services; he was glad to express thus his estimate of Barbour's share in the administration; the activity of the government is now chiefly perceptible by removals from office; rumors continue that Tazewell was offered the mission to Great Britain; there is a state of quietude except among the holders and the seekers of office. A. L. I page, I leaf with endorsement. 4°.

The signature has been cut away.

Lafayette (Marie Jean Paul Joseph Roch Yves Gilbert Motier de), Marquis. Paris, Apr. 12, 1829. To James Barbour, London. He invites Barbour to visit him at La Grange; Mrs. Brown's ill health determined the American minister to return home; news of the formation of Jackson's cabinet; the committee for the Bunker Hill monument sent him a drawing; it is a model of simplicity and grandeur; \$50,000 will complete the work; he asks if there is a subscription paper at London as at Paris. A. L. S. 2 pp., 1 leaf with address. 4°.

Gordon (George Hamilton), 4th Earl of Aberdeen. Foreign Office, [London,] Apr. 15, 1829. To James Barbour [London]. In reply to Barbour's note expressing regret at the delay in furnishing documents in the British archives relating to the boundary, he says that copies were transmitted in February, except the copies of certain papers which will be sent to the United States government directly from New Brunswick. Contemporary copy. 3 pp. F°.

Van Buren (Martin). Department of State, Washington, May 12, 1829. To James Barbour [London]. The President appointed Louis McLane minister to Great Britain; Barbour may suit his own convenience as to waiting for the arrival of his successor; he is to assure the British government of the President's desire for friendly relations. L. S. Endorsed. 3 pp. F°.

Pleasants (John Hampden). Richmond, Va., May 30, 1829. [To James Barbour, London.] The newspapers do not give any idea of the horror and detestation caused by the President's proscriptive system and the despotic exercise of his power; it has produced in many cases an abandonment of Jacksonism, in others a silence and unwillingness to converse on the subject; unless the administration does something to recover favor it will go out at the end of four years; the fanaticism that prevailed when Barbour left is quite extinguished; the gentlemen partisans are on the defensive; the supplanting of Barbour will enter the assembly and be ready to take post under President Clay in 1833. A. L. S. 3 pp. 4°.

Barbour (James). London, July 10, 1829. [To Gales and Seaton, Washington?] He desires to have a correction made in certain remarks sent them for publication, the more so because his conduct is misrepresented at home; describes the conferring upon himself of the degree of Doctor in Civil Law by the University of Oxford, and the friendly feeling shown towards America; in mingling with the intelligent portion of the people he has endeavored to remove prejudice and hostility. A. L. S. Endorsed. 4 pp. 4°.

Clay (Henry). Ashland, (Ky.,] Nov. 21, 1829. To James Barbour, Barboursville, Orange Co., Va. Congratulates Barbour on his return from his foreign mission; being at leisure, he is improving his private affairs; he sees nothing in the condition of politics to discourage the hope of a speedy restoration of the reign of reason. A. L. S. I page, I leaf with address and endorsement. 4°.

Barbour (John S.) Richmond, [Va.,] Nov. 28, 1829. To James Barbour, Barboursville, Orange Co., Va. The [constitutional] convention cannot satisfy all parties; Monroe is frequently on the floor, too frequently for his reputation; [William Branch] Giles gave in a few words the most sensible remarks yet submitted; James Barbour has been mentioned for the chief magistracy. A. L. S. 2 pp., 1 leaf with address. 4°.

**Barbour** (Philip Pendleton). [Richmond, Va.,] Dec. 5, 1829. To James Barbour, Barboursville, Orange, Va. The [constitutional] convention this day decided the basis of representation by giving to the east and west such numbers as will allow the east a majority of six in the senate and twenty in the other house; there is a rumor that the western members mean to secede. A. L. S. 3 pp. 4°.

Southard (Samuel Lewis]. Trenton, [N. J...] Dec. 17, 1829. To James Barbour, Barboursville, Orange Co., Va. Absence from the bar did not diminish his ability; the present painful state of public affairs cannot last long; the delirium will subside; the impression seems to be that Clay would be the best man for the next election, though the Texas and land questions would weaken him in the west; Benton will rise to so much influence by those questions as to distract the west; he has been consulted from various quarters about the vice presidency, but thinks himself too poor and too young for the office; he would prefer Barbour to any other for that place. A. L. S. Endorsed. 3 pp. 4°.

Barbour (John S.) Washington, Mar. 1, 1830. To James Barbour, Barboursville, Orange Co., Va. It is well known that there is serious disagreement in the cabinet, largely on personal matters; Jackson is said to have told his ministers to quit their broils or quit his cabinet; four political parties are active; the first, which includes the "slugs and worms" that have crawled into office, desires the reelection of Jackson; Calhoun's party is powerful but not a majority; a third party is for Van Buren, and a fourth for Clay; each of these will fall into the ranks of the first as they grow feeble or despondent; Calhoun's friends invite an immediate trial of strength by wishing the old hero to withdraw; this would be very acceptable to Clay's friends, whose hope is in division and whose fear is a caucus that would settle the rival claims; he thinks Jackson will again be presented to the people; Eaton and Van Buren are the power behind the throne; Mrs. Eaton is not generally admitted into society, but the frown of power is felt by those who do not do her homage; narrates the case of Major Broadus a soldier of the revolution, who held an office at Harper's Ferry, and supported the late president; Eaton resolved to remove him and brought secret charges of partisanship; Barbour waited on the President, who said that they should not touch a hair of the old soldier's

head, yet Eaton prevailed; congress is greatly inferior to any he ever sat in; the house has a majority of new and young members; Webster is first in the senate, with Benton second; Grundy has the ear of the president; Barbour's brother is first in the house. A. L. S. 6 pp., I leaf with address. 4°.

Barbour (John S.) Washington, Apr. 2, 1830. [To James Barbour.] The President interfered and saved Major Broadus, notwithstanding Eaton's efforts; there is distrust and suspicion in the administration; Van Buren, Eaton, and Lewis are on one side and Ingham, Berrien, Branch, and Donnelson the private secretary on the other; there is jealousy between the President and Vice President; Van Buren acts through the President's partiality for Eaton, for his own benefit; Randolph refused the mission to Russia; changes in the senate. A. L. S. 3 pp. 4°.

Preston (James Patton). Richmond, [Va.,] May 10, 1830. [To James Barbour.] He is gratified to learn that Barbour will be in the next legislature; the time is a crisis in the history of the state; to correct the principles of the new constitution by infusing all the practical republicanism which its unfortunate theory will admit, may defer those evils which the convention was meant to remove; the legislature may adopt some course to give more stability to the general government and inspire more confidence in the present administration; there are daily proofs of most objectionable appointments being made. A. L. S. 2 pp. 4°.

Webster (Daniel). Washington, May 24, 1830. To [James] Barbour. The session is breaking up with better prospects for the country; public opinion is turning strongly against the administration; the defeat of the Baltimore Railroad bill in the senate, and the expected veto of the Maysville Turnpike bill, will tell against Jackson in Maryland and the west, and with heaven's blessing may prevent the passage of the Indian bill. A. L. S. 2 pp. 4°.

Rush (Richard). Washington, Aug. 7, 1830. To James Barbour, Barboursville, Orange Co., Va. When he takes up his residence at York, Pa., he will try to secure the nomination of Clay by the Antimasonic convention at Philadelphia in September, even though Clay is a mason; the Jackson portion of that party wish to nominate McLean; it would be a mistake for Clay to go into the senate at this time, especially with Webster there; they do not need two suns in that orbit. A. L. S. 2 pp., I leaf with address. 4°.

Mercer (Charles Fenton). Washington, Sept. 20, 1830. [To James Barbour.] On the subject of Barbour's last letter, he is confident that at the time of the contested election when the house of representatives chose Adams over Crawford and Jackson, a large majority of the Virginia delegation, almost all of whom voted for Crawford, would have preferred Adams to Jackson; he was well pleased to see Barbour take the office of secretary of war under Adams; he will not state the denunciations of Jackson at that period; neither Jackson nor Crawford could have carried on the government then without doing as Adams did, calling to his aid the talents and patriotism of his opponents; the political intolerance at which the country has now arrived is appalling; there was some dignity in the distinction between federalists and democrats; now

they are divided only about men, and all principles are prostrated; even the value of the Union is weighed and found wanting by men who were once extra-federal in their principles. A. L. S. 4 pp. 4°.

**Barbour** (John S.) Washington, Jan. 11, 1831. To James Barbour, Ho. of Delegates, Richmond, Va. He asks Barbour to become reconciled to the President, who has already made the first step; he wishes to see Barbour in a position to render public service; all recent difficulties grew out of his hostile position towards Gen. Jackson; the old man is honest and frank, though in bad hands. A. L. S. 3 pp. F°.

Brooke (Francis J.) St. Julien, [Va.,] July 2, 1831. To James Barbour, Barboursville, Orange Co. [Va.] The public mind is settling in favor of Clay, but any attempt to forestall opinion might excite the expiring preference for Jackson; he sees no prospect of compromise between nullification and the American system; Clay must be the next president; Calhoun would not do, in the present state of the great interests of the Union. A. L. S. Endorsed. 3 pp. 4°.

Barbour (John S.) Catalpha, [Va...] July 30, 1831. To [James] Barbour. Since he cannot go for Clay, and his correspondent seems unwilling to go for Calhoun, he asks if they could not unite on McLean of Ohio, who has negative popularity as to himself and positive popularity on account of his locality; yet, since their purpose is to defeat Jackson, he points out the advantage of supporting Calhoun; if Virginia goes for Calhoun, the election must go to the house, and then Jackson's die is cast; he wishes to see Barbour come out of his retirement, for at present he is like Pryune in the pillory, unable to reply to his assailants; his own election to congress is certain. A. L. S. 4pp. 4°.

Barbour (John S.) Catalpa, [Va.,] Nov. 22, 1831. To [James] Barbour. Gov. [John] Floyd communicated to him in confidence his message on the present administration, denouncing the tariff, internal improvements, the distribution of the surplus, the new missions, and the appointment of ministers without concurrence of the senate, and pointing out the mischievous tendency of the executive recommendations as enlargements of federal power which the states ought to suppress; these views are calculated to bring down the imprecations of the "Vatican;" and perhaps the denunciation of internal improvements and the tariff will withdraw from the Governor the support of the Clay party; as to the latter point he desires Barbour's opinion, and urges that they find a point of cohesion in resistance to the distribution of the surplus, and in the tendency of the message to weaken Jackson in Virginia; if the parasites of power assail the governor, the issue will be fairly made for and against the Virginia principles of '98, and if the friends of Clay take sides with the Governor he will have nothing to fear; Randolph has come out for Jackson, but it is Randolph the Pensioner, not the great commoner" of Roanoke, and his siren song has its price; discusses the probable candidates for the senate. A. L. S. 3 pp. 4°.

**Brooke** (Francis J.) St. Julien, [Va.,] Jan. 1, 1832. To James Barbour, Barboursville, Orange Co. [Va.] Affairs at Washington; there is a latent dissatisfaction with the men in power; he thinks

the Virginia legislature will show its disapprobation before it adjourns; the people of Virginia must see that they are not contending for the venerated principles of 1798, and that the man in office is opposed to those principles without having any of his own; a new edition of Madison's report in the form of resolutions explaining the same might make those principles better understood, and the South would understand that Virginia will not go to war for the tariff and that she will support the Union; he was disappointed in the address of the convention; other political matters. A. L. S. 4 pp. 4°.

Clay (Henry). Washington, Mar. 10, 1832. To James Barbour. Explains a part of his speech concerning the cause of the fall of prices of manufactured articles since the tariff of 1824; he believes that without injury to the policy of protection, some reduction of duties might be made, thereby tranquilizing some of the opponents of the present tariff; the decision of the supreme court [concerning the Cherokees] must have great consequences; if it be resisted, and the President refuse to enforce it, there is a virtual dissolution of the Union; the President is reported to have said to a Georgia member, that he hoped Georgia would defend her rights; describes a meeting held for the purpose of passing resolutions in behalf of Barbour's kinsman, Tecumseh [Richard M. Johnson]. A. L. S. 2 pp., I leaf with endorsement. 4°.

Pleasants (John Hampden). Richmond, [Va.,] Mar. 23 [1832]. To James Barbour, Barboursville, Orange [Va.]. It has been determined to nominate no ticket through the legislature, but to postpone action until summer, when the central committee will frame a ticket or call a convention to meet at Lynchburg; the object is to withdraw pressure from the Jackson party and so accelerate its tumbling to pieces, for the Clay party acts as a hoop to preserve the cohesion of Jackson's followers; unless Jackson should die, there is little chance in Virginia; he blames the majority-hunting policy of the caucus; Van Burenism will carry the day. A. L. S. Endorsed. 4 pp. 4°.

Barbour (John S.) Washington, Mar. 25, 1832. [To James Barbour.] Jackson will be reelected, and probably Van Buren will be vice president; he laments the treachery of friends that placed Barbour's brother outside the pale of selection; the bank bill will pass and will be vetoed; old Root has stripped away the veil from the wickedness of New York politics, and has promised to publish his speech; conciliatory course of Adams on the tariff; Jackson is ready to crush South Carolina while he cheers Georgia to resistance; if Clay and Calhoun would both retire some man might be found who would restore the honor of the republic; neither of them have the slightest chance; Johnson will be pressed by the kitchen cabinet for vice president, if "Van" withdraws; if Barbour's brother had been nominated at Richmond he would have been elected. A. L. S. Endorsed. 3 pp. 4°.

**Dearborn** (Henry Alexander Scammell). Washington, May 8, 1832. To James Barbour. The friends of the chieftain are determined to make the affair of [Sam] Houston a party question, and acquit him; [Thomas D.] Arnold was threatened with a caning on the street for remarks against

Houston in debate; there is a most respectable collection of young men at the convention, over three hundred in number; they have cheering news from New York; Clay will be elected. A. L. S. 3 pp.

Green (Duff). Washington, Sept. 24, 1832. To James Barbour, Barboursville, Va. He urges Barbour to confer with the committee that is to meet at Charlottesville, and assures him of the support of the Whig and the Times; he has enlarged his edition of the extra Telegraph to 30,000, and will undertake to distribute from three to six thousand in Virginia at his own risk; if they could only force out the whole truth about Jackson's attempt to impeach the character of Monroe, there would scarce be a man in Virginia to do him reverence; neither New York, Pennsylvania, Vermont, or Rhode Island can possibly be carried for Clay, but if the Virginia Clay committee will support Wirt, the latter can get all those votes. A. L. S. I page, I leaf with address. F°.

Barbour (John S.) Catalpa, [Va.,] Oct. 2, 1832. To [James] Barbour. He differs from [Duff] Green's view of the situation; if Jackson is not elected by the popular vote, neither Wirt nor Clay can be; the election must then devolve on the house of representatives; explains at length why Wirt and the anti-masons could not succeed there, and calculates Clay's probable strength; the Charlottesville convention is but a farce; Jackson, if reelected, may not hold the office. as he is in a very decayed condition; it would be better if Van Buren administered the government in his own name, as all the checks of the constitution are broken by the present irresponsible agency; anti-masonry is but dust in the balance, yet in the division of spoils it demand's the lion's share; corruption of the present ministry; he has written to Green to publish Biddle's pamphlet containing a review of the veto. A. L. S. 5 pp. 4°.

Pleasants (John Hampden). Richmond, [Va.,] Oct. 7, 1832. To James Barbour, Barboursville, Orange, Va. He will write the address required, though not confident of his power to speak for a great party; he was disgusted with Barbour's brother [Philip Pendleton Barbour] for what seemed his demagogism, but hopes none the less to see him carry the vice presidency against Van Buren, if their own side cannot; this nomination of an independent ticket by the [P. P.] Barbour men at Charlottesville will give Clay a better chance in Virginia; in 1828 they stood to Jacksonism as 12 to 26; since then the extension of the suffrage, felt chiefly in the towns, which are almost all for Clay, has strengthened them; Providence seems to guide the matter, considering the consequences of Morgan's abduction, and the infatuated conduct of the Virginia caucus leading to the division of the Jackson ticket at Charlottesville; their friends in New York and Pennsylvania are confident; Green is honestly at work to repair the mischief he has done. A. L. S. 3 pp. 4°.

**Barbour** (John S.) Catalpa, [Va.,] Nov. 29, 1832. To [James] Barbour. The movements in South Carolina make it probable that the whole question of the power of the confederacy over one of its members will come before congress this session; his personal attachments are with the men of South Carolina, yet he denies the vagary of nullifi-

cation as well as the greater heresy of secession; if either were attempted, he is ready to show both Georgia and Carolina that there is strength in the federal arm to punish all offending citizens according to the law as expounded by the courts; his opinions have always been thus, but in the Virginia delegation, outside of that part that bears the brand of federalism, he stands alone; he has also stood alone against the numerous attempts to repeal the 25th section of the judiciary act of '89; he asks help in maintaining his opinions, many of which were derived from James Barbour. A. L. S. 3 pp. 4°.

Barbour (John S.) Washington, Dec. 13, 1832. To [James] Barbour. In the last session, the committee of manufactures was divided as five to two, the minority favoring reduction; now a similar majority is for bringing down the impost to the revenue principle; South Carolina will proceed in her course; Jackson is bent on mischief, if he can find popular favor for it; proceedings in the case of Col. Campbell's heirs; the new senator [William C. Rives] is said to be anti-tariff on constitutional grounds; but in 1829, when an effort was made to unite the Virginia delegation with

that of South Carolina in denouncing the tariff as unconstitutional, Rives and himself wrote an essay in the *Richmond Enquirer*, signed "A Jackson man of the school of '98," upholding Madison in his letters to Cabell. A. L. S. 4 pp. 4°.

Barbour (John S.) Washington, Feb. 24, 1833. To [James] Barbour. Proceedings in the senate; describes a visit to John Randolph, who admitted that the election of Jackson was an experiment that had failed, yet was reconciled to the President by Benton the same day. A. L. S. 4 pp. 4°.

Williams (Lewis). Washington, June 16, 1841. To James Barbour. There are indications in the house that Harrison's death will give rise to new parties; it is important for the whigs that the authority of Jefferson's name should not be used against the new bank, which will be but a rickety concern; he regrets that Tyler will not admit, like Madison, that a bank is necessary and proper; Barbour once informed him that Jefferson had expressed an opinion favorable to the bank in 1816; if this could be ascertained, it would take the ground from under the anti-bank party. A. L. S. 3 pp. 4°.

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BARBOUR PAPERS, 1811-1841. LIST OF WRITERS,
                                                             Jefferson (Thomas) Jan. 22, 1812.
                                                                                   Mar. 5, 1816.
Adams (John Quincy) Aug. 31, 1825.
                                                                                   Jan. 19, 1817.
                        July 26, 1826.
                                                                                   May 2, 1824.
                                                             Johnson (Francis) Aug. 31, 1827.
Johnson (Richard Mentor) Dec. 9, 1811.
                         Aug. 21, 1827.
                         June 26, 1828.
                                                             King (Charles) July 23, 1828.
                        Apr. 10, 1829.
Barbour (James) Dec. 5, 1815.
                                                             King (Rufus) Aug. 18, 1818.
                                                             Lafayette, Marquis de, Apr. 12, 1829.
Lawrence (William Beach) Aug. 16, 1828.
                   Feb. 9, 1816.
                   Mar. 3, 1817.
                   Dec. 1, 1824.
                                                                                           Nov. 28, 1828.
                                                             Lee (Roswell) Apr. 16, 1816.
                   July 10, 1829.
Barbour (John S.) Nov. 28, 1829.
                                                             McKenney (Thomas Lorraine) July 24, 1828.
                                                             Madison (James) June 16, 1814.
                    Mar. 1, 1830.
                    Apr. 2, 1830.
                                                                                 Feb. 14, 1820.
                                                             Dec. 5, 1823.
Mercer (Charles Fenton) Nov. 18, 1828.
                    Jan. 11, 1831.
                    July 30, 1831.
                                                                                        Sept. 20, 1830.
                    Nov. 22, 1831.
                                                             Monroe (James) Oct. 26, 1814.
                    Mar. 25, 1832.
                    Oct. 2, 1832.
                                                                               Mar. 3, 1817.
                    Nov. 29, 1832.
                                                                               Feb. 3, 1820.
                                                                               June 14, 1823.
                    Dec. 13, 1832.
                    Feb. 24, 1833.
                                                                               Mar. 14, 1824.
                                                                               Mar. 16, 1824.
Dec. 18, 1828.
Barbour (Philip Pendleton) Jan. 27, 1829.
                              Dec. 5, 1829.
Bernard (Simon), Baron, Nov. 10, 1815.
                                                             Nicholas (Wilson Carey) Mar. 16, 1816.
Brockenbrough (William) Jan. 25, 1819.
                                                             Perkins (Jacob) Dec. 5, 1828.
Brooke (Francis J.) Jan. 27, 1829.
July 2, 1831.
                                                             Peters (Richard) Sept. 1, 1827
                                                             Pleasants (James) Mar. 25, 1824.
                                                             Pleasants (John Hampden) May 30, 1829.
                     Jan. 1, 1832.
Brown (Jacob) Aug. 13, 1827.
Brown (James) Aug. 28, 1828.
                                                                                           Mar. 23, 1832.
                                                                                           Oct. 7, 1832.
Clay (Henry) March 3, 1817.
                                                             Powell (Alfred H.) Sept. 21, 1827
                 July 17, 1826.
                                                             Preston (James Patton) May 10, 1830.
                                                             Preston (John) Dec. 14, 1818.
Ritchie (Thomas) Jan. 4, 1819.
May 21, 1823.
                 Oct. 16, 1828.
                 Nov. 21, 1829.
                 Mar. 10, 1832.
Crawford (William Harris) Apr. 9, 1816.
                                                             Roane (Spencer) Jan. 4, 1816.
Feb. 12, 1816.
                             Sept. 18, 1819.
                              July 25, 1821.
                                                                                Jan. 30, 1819.
Crittenden (John Jordan) Apr. 3, 1820.
                                                                                Feb. 16, 1819.
Cutts (Richard) July 26, 1828.
                                                              Roberdeau (Isaac) Feb. 2, 1816.
July 27, 1828.

Dearborn (Henry A. S.) May 8, 1832.

Duane (William) Feb. 24, 1813.
                                                             Roberdeau (Isaac) and Anderson (J.) Jan. 15, 1816.
                                                             Rush (Richard) Nov. 26, 1828.
                                                             Aug. 7, 1830.
Skinner (John Stuart) Feb. 22, 1829.
                   Mar. 10, 1813.
Duval (William P.) Aug. 12, 1823
                                                             Smith (William) Mar. 17, 1829.
Southard (Samuel Lewis) Dec. 17, 1829.
Gales (Joseph) and Seaton (W. W.) Oct. 17, 1824.
Giles (William Branch) Nov. 20. 1814.
                                                              Swift (Joseph Gardner) Jan. 6, 1816.
Gordon (George Hamilton), Earl of Aberdeen,
                                                              Taliaferro (John) Feb. 2, 1829.
                                     Oct. 31, 1828.
                                                              Tucker (Henry St. George) Feb. 11, 1820.
                                     Apr. 15, 1829.
                                                              Tyler (John) Jan. 5, 1824.
Green (Duff) Sept. 24, 1832.
                                                              United States.—Senate. Nov. 20, 1820.
Hall (Bolling) July 15, 1825.
                                                              United States. - State Department. June 12, 1828.
Harrison (William Henry) Apr. 18, 1824.
                                                              Van Buren (Martin) Oct. 9, 1823.
Hay (George) Nov. 22, 1823.
                                                                                    May 12, 1829.
Hughes (Christopher) Aug. 27, 1828.
                                                              Webster (Daniel) May 24, 1830.
                         Sept. 16, 1828.
                                                              Williams (Lewis) June 16, 1841.
                        Dec. 9, 1828.
                         Dec. 19, 1828.
                         Dec. 30, 1828.
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### PRINCIPAL ACCESSIONS IN DECEMBER.

BIOGRAPHY—GENEALOGY, ETC.

Adams (J. C.) William Hamilton Gibson. New York, 1901. 12°.

Anton Seidl. A memorial by his friends. New York, 1899. sq. 4°.

Gift of Mrs. Henry Draper.

Atwater (F.) Atwater history and genealogy. Meriden, Conn., 1001. 8°.

Banks (C. E.), and Armstrong (L.) Theodore Roosevelt. New York, 1901. 8°.

Bell (M.) Sir Edward Burne-Jones. London, 1901. 16°. (Bell's miniature series of painters.)

Brownell (W. C.) Victorian prose masters. New York, 1901. 8°.

Dickson (W. K.) The life of Major-General Sir Robert Murdoch Smith. Edinburgh, 1901. 8°.

Epinay (L. F. P. T. d'E. d'), marquise, memoirs and correspondence of Madame d'Épinay. London, 1899. 8°.

Francis Henry Marling, 1825-1901. New York, 1901. 8°.

Gillingham (H. E.) Gillingham family. Descendants of Yeamans Gillingham. Philadelphia, 1001. 8°.

Gift of the Author.

Green (J. R.) Letters of J. R. Green. Edited by L. Stephen. London, 1901. 8°.

Haupt (Gen. H.) Reminiscences of Gen. H. Haupt. Milwaukee, Wis., 1901. 4°.

Hayford (O.) History of the Hayford family, 1100-1900. Canton, Me., 1901. 8°.

Henderson (W. J.) Richard Wagner. New York, 1901. 12°.

Mead (S. P.) History and genealogy of the Mead family. New York, 1901. 8°. Gift of the Author.

Memorials of the family of Hurry of Great Yarmouth, Norfolk, and of New York, United States [by C. J. Palmer and E. A. Hurry]. Norwich, 1873. 8°.

Gift of E. A. Hurry.

Paget (Sir J.) Memoirs and letters. London,

Sellers (E. J.) Allied families of Delaware. Philadelphia, 1901. 4°. Gift of the Author.

Sherborn (C. D.) A history of the family of Sherborn. London, 1901. 8°.

Skrine (F. H.) Life of Sir William Wilson Hunter. London, 1901. 8°.

Thompson (S.) Eugene Field, a study in heredity and contradictions. New York, 1901. 8°.

Warden (W. A.) The ancestors, kin, and descendants, of John Warden and Narcissa (Davis) Warden. Worcester, 1901. 8°.

Wells (H. H.), and Van Dyke (H. W.) Several ancestral lines of Josiah Edson and his wife, Sarah Pinney. Albany, N. Y., 1901. 8°.

Woods (K. P.) The true story of Captain John Smith. New York, 1901. 8°.

United States—History, Description, ETC.

Advertisement, to all tradesmen, husbandmen, servants and others who are willing to transport themselves unto the province of New-East-Jersy in America. [London, 1684.] Broadside. F. Gift of A. Maitland.

Bradford (L.) Historic Duxbury in Plymouth County, Massachusetts. Boston, 1900. 8°.

Byrd (W.) The writings of "Colonel William Byrd, of Westover, in Virginia, Esq." New York. 1901. 4°.

Calof (J.), Esq. The siege of Penobscot by the rebels; containing a journal of the proceedings of His Majesty's forces. London, 1781. 8°. Gift of A. Maitland.

Further quæries upon the present state of the New-English affairs. [Signed S. E.] [Boston, 1689.] 12°.

Gift of A. Maitland.

Kable ([H. J.]), and Kable ([H. G.]) Mount Morris: past and present. Mount Morris, Ill., 1900. 8°

**Minard** (J. S.) Allegany county and its people. A centennial memorial history of Allegany county, New York. Alfred, N. Y., 1896. 8 Gift of W. H. Crandall.

Mowry (A. M.) The Dorr War. Providence, R. I., 1901. sq. 4°.

Nead (B. M.) Waynesboro. The history of a settlement in . . . Penn. Harrisburg, 1900. 8°.

Orders and constitutions, partly collected out of His Majesties' letters patents; and partly by authority... ordained... by the governour and company of the city of London, for the plantation of the Summer-Ilands. 6. Feb. 1621. London, 1622. 4°.

Gift of A. Maitland.

Penhallow (S.) The history of the wars of New England, with the Eastern Indians. Boston, 1726. 16°.

Gift of A. Maitland.

Saffel ( ). Dulany's history of Maryland. From 1632-1900. Baltimore, 1901. 12°.

Santa-Anna Nery (F. J. de), baron. land of the Amazons. New York, 1901. 8°.

Smith (J. J.) · Civil and military list of Rhode Island, 1800-1850. Providence, 1901. 4°.

Souvenir of Baltimore. Brooklyn, N. Y., 1899. obl. 24°.

Gift of Charles B. Curtis.

**Tooker** (W. W.) The Algonquian terms Patawomeke (Potomac) and Massawomeke. *New York*, 1901. 12°.

(Algonquian series, no. 8.)

**Tooker** (W. W.) Some Indian fishing stations upon Long Island. *New York*, 1901. 12°. (Algonquian series, no. 7.)

Vaughan (C. W.) The illustrated Laconian. History of Laconia, N. H. n. p., 1899. 4°.

**Virginia.**—Colony. [Proclamation,] May 17, 1620. [London, 1620.] Broadside.  $\mathbf{F}^{\sigma}$ . Gift of A. Maitland.

**Warren** (H. L. J.), and **Stride** ([R.]) Cripple Creek and Colorado Springs, illustrated. *Colorado Springs*, 1896. F°. Gift of W. Poillon.

**Wilson** (R. R.) Washington, the capital city. *Philadelphia*, 1901. 8°.

EUROPE—SOCIAL AND POLITICAL HISTORY—DESCRIPTION, ETC.

**Baddeley** (M. J. B.) The English Lake District. *London*, 1899. 16°.

(Thorough guide series.)

Baddeley (M. J. B.) Scotland. London, 1900-01. 2 v. 16°.

(Thorough guide series.) Gift of Mrs. H. Draper.

Baddeley (M. J. B.), and Ward (C. S.) North Wales. London, 1899. 16°.

(Thorough guide series.) **Blok** (P. J.) Geschichte der Niederlande. Bd. 1.

Gotha, 1902. 8°.

(Geschichte der europäischen Staaten.)

**Butler** (W.) The cathedral church of the Holy Trinity, Dublin (Christ Church). *London*, 1901. 12°.

Complete (The) pocket-guide to Europe. Edited by E. C. Stedman and T. L. Stedman. New York, 1899. 24°.

Cornish (F. W.) Chivalry. London, 1901. 12°. (Social England Series.)

**Hassall** (A.) The French people. New York, 1901. 12°.

(Great peoples series.)

**Malmström** (C. G.) Sveriges politiska historia. v. 6. *Stockholm*, 1901. 8°.

Morris (W. O'C.) Present Irish questions. London, 1901. 8°.

Russell (T. W.) Ireland and the empire. A review, 1800-1900. London, 1901. 12°.

St. Martin-in-the-Fields. The accounts of the churchwardens, 1525-1603. London, 1901. 4°.

**Terry** (B.) A history of England. *Chicago*, 1901. 8°.

### Russia, Korea, etc.

**Алсты вздаваемые** Виленскою коммиссією для разбора древнихъ актовъ. *Wilna*, 1865–1900. 27 v. 4°.

(Documents relating to the history of Lithuania.)

Восточный Сборникъ. St. Petersburg, 1877. v. 1. 8°.

(Collection of articles relating to the East and the Far East.)

ТСЛОЖІЕСТЬ (К.) Посольство Кунравда Фанъ-Кленка къ царямъ Алексто Михайловичу и Осодору Алекстовичу. Voyagie van den Heere Koenraad van Klenk, Extraordinaris Ambassadeur van haer Ho: Mo: aen Zyne Zaarsche Majesteyt van Moscovien. St. Petersburg, 1900. 4°.

№ Торевъ (Дметрій Дметріовичь). Очервъ коммерческой географія и хозяйственной статистики Россіи, сравнительно съ другими государствами. St. Petersburg, 1901. 6. ed. 8°.

(Commercial geography and industrial statistics of Russia, compared with other countries,)

Описсание Корен, составлено въ канцелярів Министерства Финансовъ. St. Petersburg, 1900. 3 v. 8°.

(Description of Corea publ. by the Imp. Russian Ministry of Finances.)  $\label{eq:ministry}$ 

Семеновъ (В. П.) Россія, полное географическое описаніе нашего отечества, настольная и дорожная книга для русскихълюдей. St. Petersburg, 1899—1901. v. 1, 3, 6. 8°. (Description of Russia.)

ASIA AND AFRICA—HISTORY, DESCRIP-

**Baedeker** (K.) Palästina und Syrien. *Leipzig*, 1900. 16°.

Gift J. H. Schiff.

**Grundy** (G. B.) The great Persian war and its preliminaries. *London*, 1901. 8°.

**Haeckel** (E.) Aus Insulinde. Malayische Reisebriefe. Bonn, 1901. 8°.

**Lynch** (G.) The war of the civilisations. *London*, 1901. 8°.

Russland in Asien. Bd. 5. Leipzig, 1902.

Schanz (M.) Ost- und Sud-Afrika. Berlin, 1902. 8°.

**Velten** (C.) Schilderungen der Suaheli.  $G\bar{o}t$ -tingen, 1901. 8°.

### GENERAL HISTORY.

Essays on the teaching of history. By F. W. Maitland, H. M. Gwatkin, R. L. Poole and others. Cambridge, Eng., 1901. 12°.

Lindner (T.) Weltgeschichte seit der Völkerwanderung. Bd. 1. Stuttgart, 1901. 1 v. 8°.

ART—MUSIC—ARCHITECTURE—THE STAGE, ETC.

**Hastings** (C.) The theatre: its development in France and England. *London*, 1902. 8°.

Lange (K.) Das Wesen der Kunst. Berlin, 1901. 2 v. 8°.

Sitte (C.) Der Städte-bau nach seinen Künstlerischen Grundsätzen. Wien, 1901. 8°.

Sturgis (R.), and others. A dictionary of architecture and building, v. 3. New York, 1902.

4°.
Gift of S. P. Avery.

**Waterhouse** (P. L.) The story of the art of building. *New York*, 1901. 16°. (Library of useful stories.)

Whitman (A.) The print-collector's hand book. London, 1901. 8°.

Wooldridge (H. E.) The polyphonic period. Pt. 1. Oxford, 1901. I pt. 8°.
(Oxford history of music, v. 1.)

#### LITERATORE.

Beers (H. A.) A history of English romanticism in the nineteenth century. New York, 1901. 8°.

Capps (E.) From Homer to Theocritus. New York, 1901. 8°.

Chambers's cyclopædia of English literature. v. 1. Philadelphia, 1902. New ed. 1 v. 4°.

Fionn, pseud. The Celtic lyre, a collection of ... Gaelic songs, with English translations. Edinburgh, 1898. sq. 8°.

Hardy (T.) Poems of the past and the present. New York, 1902. 8°.

Hauptmann (G.) Der rote Hahn. Tragikomödie. Berlin, 1901. 12°.

Love songs of Scotland, edited by R. W. Douglas. New York, 1901. 8'.

Mason (H. L.) American literature.—A laboratory method. *Philadelphia*, 1901. 12°.

Ramos Carrión (M.), and Asa (V.) Zaragueta, comedia. New York, 1901. 12°.

(Silver series of modern language text-books.)

**Sienkiewics** (H.) The Knights of the Cross; or, Krzyzacy. *New York* [1899]. 12°.

Sinclair (U. B.) King Midas: a romance. New York, 1901. 12°.

Sinclair (U. B.) Springtime and harvest. New York, 1901. 12°.

**Skeat** (W.) Fables and folk-tales. Cambridge, Eng., 1901. sq. 8°.

Skutsch (F.) Aus Vergils Frühzeit. Leipzig,

Stedman (E. C.) Mater coronata, recited at the bicentennial of Yale, Oct. 23. Boston, 1901. 8°.

Streamer (D.) Ruthless rhymes for heartless homes. New York, 1901. 12°.

**Wagner** (C.) The simple life. Translated from the French. New York, 1901. 12°.

**Webb** (C. H.) With lead and line along varying shores. A book of poems. *Boston*, 1901. 12°.

Wolfenstein (M.) Idyls of the Gass. Philadelphia, 1901. 12°.

Wright (W.) A catalogue of the Syriac manuscripts preserved in the library of the University of Cambridge. Cambridge, 1901. 2 v. 8°.

Political Economy—Law, Government, etc.

Davis (C. K.) A treatise on international law. St. Paul, 1901. 8°.

Fairlie (J. A.) Municipal administration. New York, 1901. 8°.

**Grasshoff** (R.) Die suftaga und hawâla der Araber. Ein Beitrag zur Geschichte des Wechsels. Göttingen, 1899. 8°.

**Wood** (S. T.) A primer of political economy. New York, 1901. 12°.

#### Sociology.

George (H.), jr. Who are the criminals? New York, 1901. 12°.

Martin Saint-Léon (E.) Le compagnonnage, son histoire, ses coutumes, ses règlements et ses rites. *Paris*, 1901. 12°.

#### DREAMS.

Hutchinson (H. G.) Dreams and their meanings, London, 1901. 8°.

EDUCATION—AND EDUCATIONAL INSTI-TUTIONS.

Green (F. M.) Hiram College and Western Reserve Eclectic Institute. Cleveland, 1901. 8°.

Laurie (S. S.) The training of teachers, and methods of instruction. Cambridge, 1901. 12°.

**New York** University, its history, with biographical sketches. *Boston*, 1901. 4°. (Universities and their sons, v. 6.)

### JEWS-HISTORY, ETC.

Friedländer (M.) Der Antichrist in den vorchristlichen judischen Quellen. Göttingen, 1901.

Gift of J. H. Schiff.

**Schuerer** (E.) Geschichte des jüdischen Volkes im Zeitalter Jesu Christi. Bd. 1. *Leipsig*, 1901. 8°.

Gift of J. H. Schiff.

#### PHYSICS-MATHEMATICS, ETC.

Blaschke (P.) Wörterbuch der Elektrotechnik. Teil I. Leipzig, 1901. I pt. 4°.

**Hastings** (C. S.) Light; a consideration of the more familiar phenomena of optics. *New York*, 1901. 8°.

(Yale bisentennial publications.)

Jaumann (G.) Leichtfassliche Vorlesungen über Elektrizität und Licht. Leipzig, 1902. 8°.

Moritz (K.) Berechnung und Konstruktion von Gleichstrommaschinen. Leipzig, 1901. 8°.

**Mueller** (F.) Vocabulaire mathématique, français-allemand et allemand-français. *Leipsig*, 1900.

Netto (E.) Lehrbuch der Combinatorik. Leipzig, 1901. 8°.

Pascal (E.) Die Determinanten. Leipzig, 1900. 8°.

(B. G. Teubner's Sammlung von Lehrbüchern auf dem Gebiete der mathematischen Wissenschaften, Bd. 3.)

Ruehlmann (R.) Grundzüge der Gleichstrom-Technik. Leipzig, 1901. 2. ed. 8°.

Sauerbeck (P.) Lehrbuch der Stereometrie. Stuttgart, 1900. 8°.

Smith (D. E.) The teaching of elementary mathematics. New York, 1901. 12°. (Teachers' professional library.)

**Smith** (S.) Scientific research. A view from within. *London*, 1901. 12°.

Stols (O.), and Gmeiner (J. A.) Theoretische Arithmetik. Theil 1. Leipzig, 1900. 8°.

(B. G. Teubner's Sammlung von Lehrbüchern auf dem Gebiete der mathematischen Wissenschaften, Bd. 4.)

Weber (E. von). Vorlesungen über das Pfaff'sche Problem. Leipzig, 1900. 8°.

(B. G. Teubner's Sammlung von Lehrbüchern auf dem Gebiete der mathematischen Wissenschaften, Bd. 2.)

BOTANY—ASTRONOMY—HYGIENE, ETC.

Beck von Mannagetta (G.), Ritter. Die Vegetations Verhältnisse der illyrischen Länder. Leipzig, 1901. 4°.

(Die Vegetation der Erde, v. 4.)

Furneaux (W. S.) Elementary practical hygiene. (Section I.) London, 1901. 12°.

Kugler (F. X.) Die babylonische Mondrechnung. Freiburg im B., 1900. 4°.

MacCormac (Sir W.) An address of welcome delivered at the centenary of the Royal College of Surgeons. London, 1900. 8°.

McTaggart (J. McT. E.) Studies in Hegelian cosmology. Cambridge, 1901. 8°.

## MILITARY AND NAVAL HISTORY.

Clowes (W. L.), Markham (Sir C.), and others. The Royal Navy, a history. v. 6. London, 1901. I v. 4°. (Proudfit collection.)

Hull (A. L.) The campaigns of the Confederate army. Atlanta, 1901. 12°.

Mahan (A. T.) Types of naval officers drawn from the history of the British navy. Boston, 1901. 8°. (Proudfit collection.)

Morris (J. E.) The Welsh wars of Edward I. Oxford, 1901. 8°.

### APPLIED SCIENCE—USEFUL ARTS— INDUSTRIES.

Brown (W. N.) A handbook on japanning and enamelling. London, 1901. 12°.

**Buchanan** (J. F.) Brassfounders' alloys. London, 1901. 12°.

Caffin (C. H.) Photography as a fine art. New York, 1901. 4°.

**Durand** (W. F.) Practical marine engineering. *New York*, 1901. 8°.

Experimental engineering. v. 1-2. Manchester, Eng., 1900-1901. 8°.

Greenwell (A.), and Elsden (J. V.) Roads: their construction and maintenance. London, 1901. 12°. (" The Builder" student's series.)

Hall (M. R.) English church needlework; a handbook for workers. London, 1901. 4°.

Jaeger (W.) Die Normalelemente und ihre Anwendung in der elektrischen Messtechnik. Halle a S., 1902. 8°.

**Knapp** (E. S.) Raphia and reed weaving. Springfield, Mass., 1901. 8°.

Lockwood (L. V.) Colonial furniture in America. New York, 1901. 4°.

Lorenz (H.) Neuere Kühlmaschinen. München, 1901. 8°.

(Technische Handbibliothek, Bd. 1.)

Maginnis (O. B.) How to frame a house; or house and roof framing. New York, 1901. 4.

Popplewell (W. C.) smoke. London, 1901. 8°. The prevention of

Roberts (P.) The anthracite coal industry. New York, 1901. 8°.

Schifferer (A.) Praktische Betriebskontrolle eines Mälzerei- und Brauereibetriebes. München, 1901. 8°.

(Technische Handbibliothek, Bd. 2.)

### BIBLICAL AND THEOLOGICAL LITERATURE -Religious, etc.

Catholic (The) church from within. London, 1901. 8°.

**Dosy** (R.) Het Islamisme. *Haarlem*, 1900. 8°. Gift of J. H. Schiff.

Jastrow (M.), jr. The study of religion. London, 1901. 12°. (Contemporary science series.)

Knopping (R.) Islam und Judaismus. Heft 1. Leipzig, 1900. 1 pt. 8°.

Robertson (A.), D.D. Regnum Dei; eight lectures on the kingdom of God. London, 1901. 8 (Bampton lectures, 1901.)

Sheridan (R. B. C.) The Greek Catholic church. London, 1901. 16°.

Smith (H. C.) The truth defended; or, A reply to Elder D. H. Bays' Doctrines and dogmas of Mormonism. Lamoni, 1901. 12°.

Vivian (O.), and Vivian (H.) The romance of religion. London, 1902. 8°.

Zimmern (H.) The Babylonian and the Hebrew Genesis. London, 1901. 12°. (The ancient East, no. 3.)

#### Psychology—Ethics, etc.

Joachim (H. H.) A study of the ethics of Spinoza. Oxford, 1901. 8°.

Mercier (C. A.) Psychology normal and morbid. London, 1901. 8°.

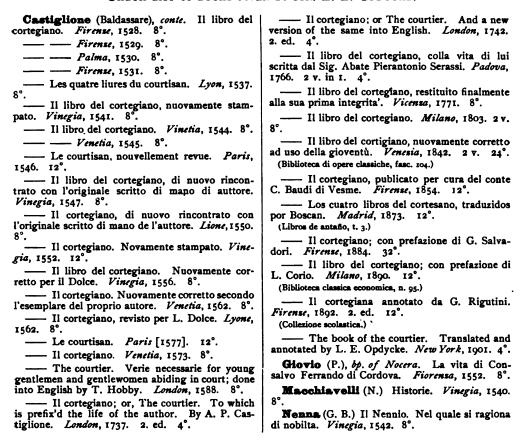
Moll (A.) Aerztliche Ethik. Stuttgart, 1902. 8°.

#### PHILOLOGY.

Badings (A. H. L.) Nieu Hollandsch-Maleisch, Maleisch-Hollandsch woordenboek. Zwolk, 1901. 7. ed. 8°.

Baudissin (O. von), Graf. Deutsch-Suaheli Taschen Wörterbuch. Berlin, 1900. 16°.

### CHECK LIST OF BOOKS GIVEN BY MR. L. E. OPDYCKE.



## PRINCIPAL DONORS IN DECEMBER, 1901.

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Amer. Water Works Assoc	I	0,	Medford Public Library		6
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Avery, S. P	το	6	American Revolution	1	
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Boston, Bd. of Police		16	ity Organization Society.		, 16
Bristol, Eng., City Treasurer	1		New York, Sec. of State	30	•
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Brooklyn Daily Eagle	4		Commerce	9	
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Canada, Library of Parlia-			Odessa, Russia, U. S. Consul	13	36
ment	6		Õhio, Adjutant Gen	Ī	•
Carnegie Inst., Pittsburgh.	1		Opdycke, Leonard	31	
Carnegie Free Library, Alle-			Penn. Railroad Co	6	58
gheny	6		Penn. State Library	2	•
Ceylon, Colon. Secretary	I		Peru, Minis. de Hacienda .	3	
Chicago Banker	5	10	Rhode Island State Library.	20	17
Chile, Oficina Central de Esta-	•		Rhondda Urban District		
distica	1		Council	I	Ţ
Church of the Holy Trinity.	I	30	Rochester, City Engineer .	15	3
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Evening Post	47	45	Southern Pacific Company.		20
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Iowa Central Railway Co		11	Gen.'s Office	5	
Judd, J. S	3	25	Victoria, Legisl. Assembly.	3	
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Leyton Urban Distr. Council		34	West Virginia, Dept. of Mines	2	_
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Low, E. H.	_	3	Wien, K. u. K. Hof-Bibliothek		2
Lynn, City Messenger	6	23	Worcester County Council.	1	
Maitland, Alexander	6	80	Yale University	I	

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Entered at the Post Office at New York, N. Y., as second-class matter, January 30, 1897, under Act of July 16, 1894.

FIRE

# **BULLETIN**

OF THE

# **NEW YORK PUBLIC LIBRARY**

ASTOR LENOX AND TILDEN FOUNDATIONS

## Volume VI · Number 2 February 1902

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NEW YORK 1902

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## BULLETIN

OF THE

## NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

Vol. VI. February, 1902. No. 2.

## REPORT FOR JANUARY.

#### REFERENCE DEPARTMENT.

During the month of January there were received at the Library, by purchase, 1,298 volumes and 367 pamphlets; by gift, 1,450 volumes and 3,039 pamphlets; and by exchange, 245 volumes and 6,952 pamphlets.

There were catalogued 4,386 volumes and 2,987 pamphlets, for which purpose 7,228 cards and 1,036 slips for the printer were written, while 3,235 slips were written and given to the machine copyist, and 13,840 cards were received from the machine copyist.

The following table shows the number of readers, and the number of volumes consulted, in both the Astor and Lenox Branches of the Library, also the number of visitors to the Print Exhibit at the Lenox, during the month:

	Lenox.	Astor.	
No. of readers and visitors	5,202	10,510	
No. of readers	2,927	10,510	
No. of readers, desk applicants	1,247	9,943	
No. of volumes consulted by desk applicants.	6, 102	31,923	
Daily average	1 I 2	404	
Number of visitors to Print Exhibit, etc	3,317		

#### CIRCULATION DEPARTMENT.

The most popular books of the month were (in non-fiction): Thompson-Seton's "Lives of the Hunted," Riis's "The Making of an American," and Pratt's "Lincoln in Story"; (adult fiction) Bacheller's "D'ri and I," Parker's "The Right of Way," and Churchill's "Crisis"; (juvenile fiction) Lang's "Violet Fairy Book," Munroe's "A Son of Satsuma," and Barbour's "Captain of the Crew."

### CIRCULATION STATISTICS.

BRANCHES.	CIRCUL	ATION.	NEW REGISTRA- TIONS.	READERS IN READING ROOM.		VOLUMES
	HOME USE.	TOTAL.		MINORS.	TOTAL.	ACCES- SIONED.
Bond Street	12,195 20,667 14,612 13,257 13,047 10,535 17,773 6,063 18,818 5,892 18,267 13,788 10,140 22,047	12,777 21,892 17,375 14,575 14,418 12,509 19,647 7,509 19,628 8,361 19,170 15,858 20,438 22,047	215 343 250 188 256 193 274 112 291 106 336 201 306 0	1,395 2,434 1,923 841 1,509 952 2,357 1,908 455 1,721 739 1,238 3,611	4,845 5,039 2,763 3,380 2,506 1,974 3,810 3,370 810 2,469 903 3,280 5,761	53 180 96 104 15 70 113 82 125 28 300 148 82 250

The more important gifts of the month were: From S. P. Avery, 53 volumes, 2 pamphlets and 228 prints, of which gift 33 volumes comprised a collection of over 1,600 etchings by Daniel Nicholas Chodowiecki, dating from the latter half of the 18th Century, including his illustrations for many books published during that period; in addition to their interest as engravings they are of great value as records of middle-class life and manners of the time. Also, from the Mayor of Bordeaux, 12 volumes of the reports presented to the Municipal Council of Bordeaux, 1889 to 1898, Procès-verbaux, 1900, Budget, 1901; from R. R. Bowker, a miscellaneous collection of fiction, theology, etc., amounting to 193 volumes and 135 pamphlets; from Paul Dana, 6 volumes and 302 pamphlets; from Dr. Robert L. Dickinson, the inkstand and scissors used by William Cullen Bryant when editor of the Evening Post; from the Evening Post, 204 volumes and 361 pamphlets; from George Fischer, a collection of German historical fiction, amounting to 278 volumes; from B. D. Grinchenko, of Chernigov, Russia, "Literatura Ukrainskavo Folklora, 1777-1900"; from the Imperial Russian Geographical Society, 4 volumes of Russian folk songs; from the Japanese Government, 19 volumes of Formosan Government reports; from the Commissioner of the Province of North Brabant, Netherlands, 165 volumes and 8 pamphlets, all documents of the Province: from R. Hudson Riley, 25 volumes and 22 pamphlets, being journals of the Folk-lore Society, etc.; from E. Schernikow, Consul of the Republic of Salvador, a collection of Salvador documents, amounting to 36 volumes, 51 pamphlets, and 9 plans; from Mrs. E. M. Townsend, the first volume of "Chapter Sketches, Connecticut Daughters of the Revolution"; and from the City of Trieste, Austria, 5 volumes and 6 pamphlets, being documents of the City and Province of Trieste.

From the Jersey City Public Library was received, by exchange, an important file of documents relating to the water supply of New York City, covering the years 1840-48, and for those years completing the series of New York water reports; there were included also a few odd pieces for earlier years and many for Brooklyn in the 50's, which, together with those in the Ford Collection, make the literature in the Library relating to the water supply of New York and Brooklyn a large and valuable one.

At the Lenox Building there was opened on January 2d a collection of about 335 volumes illustrative of the literature of music, together with a selection of autograph letters of the great composers, music caricatures, etc. The exhibition of lithographs by Fantin-Latour and of etchings by Egusquiza has been continued; at the Astor Branch were exhibited plates from "Treasures and Masterpieces of Art at the Paris Exposition (1900)," presented by Mrs. Henry Draper, and five Chinese wood engravings (colored by hand) representing the defeat of the foreigners by the Boxers, presented by Dr. J. O. Skinner.

# CHECK LIST OF WORKS IN THE NEW YORK PUBLIC LIBRARY RELATING TO THE FINANCIAL AND COMMERCIAL HISTORY OF BROOKLYN.

The letters A and L following the entries indicate the location referring to the Astor and Lenox buildings respectively.

#### SERIAL PUBLICATIONS.

#### Brooklyn. - Assessment Department.

Annual report . . . for the year ending Nov. 30, 1896. n. t. p. [Brooklyn, 1896.] 76 pp. pap. 8°. A —— Board of Estimate.

#### [Annual Statement.]

#### 1858.

Report of the joint committee of the joint board of aldermen and supervisors, to whom was referred the annual statement of the mayor of the several sums of money which he deemed necessary to be raised by tax for the various purposes contemplated by the charter for the year 1858. Brooklyn: L. Darbee & Son, 1857. 26 pp. 8°.

Annual statement of His Honor, the Mayor [Powell], to the joint board of aldermen and supervisors, June 7, 1858. *Brooklyn: L. Darbee & Son, prtrs.*, 1858. 16 pp. pap. 8°.

#### 1859.

Report of the joint committee... with statement of the amount to be levied in the tax of 1859.

Brooklyn, 1858. 22 pp. pap. 8°. A

Annual statement of His Honor, the mayor [Powell] to the joint board of aldermen and supervisors June 6, 1859. Brooklyn: L. Darbee & Son, prtrs., 1859. 16 pp. pap. 8°. A

1860.

Lacking.

#### 1861.

Report of the joint committee, etc., with statements of the amount to be levied in the tax of 1861.

Brooklyn, 1860. 30 pp. pap. 8°. A

Annual statement of the mayor [Martin Kalb-fleisch] . . . June 3, 1861. Brooklyn: L. Darbee & Son, 1861. 24 pp. pap. 8°. A

#### 1889.

Annual statement, etc. June 2, 1862. Brooklyn: L. Darbee & Son, prtrs., 1862. 17 pp. pap. 8°. A

#### 1868,

Report of the committee of the joint board of aldermen and supervisors, to whom was referred the annual statement of the mayor [of the money necessary to be raised by tax to carry on the city government for 1864]. [Brooklyn: L. Darbee & Son, 1863.] 31 pp. pap. 8°. A

Annual statement, etc. June 1, 1863. Brooklyn: L. Darbee & Son, prtrs., 1863. 30 pp. pap. 8°. A

#### 1864.

Minutes of the joint board of aldermen and supervisors, 1863, on the amount of money to be raised by tax for 1864. s. p., n. d. 31 pp. pap. 8°

1865.
Lacking.
1866.
Lacking.
1867.

Jährlicher Bericht von Martin Kalbsleisch, Mayor, . . . an den gemeinschaftlichen Körper des Stadtraths u. der Supervisoren, am 1. Juni 1868. Brooklyn, E.D.: Druck der Brooklyn Daily Times, 1868. 19 pp. pap. 8°. A

1868.

1869.
Lacking.
1870.
Lacking.
1871.

1872.

Title changes to:

Report of the board of estimate to the joint board of aldermen and supervisors, estimating monies to be raised for county and municipal purposes for the year 1872. Brooklyn: Daily Union Print, 1871. 46 pp. pap. 8°.

#### 1878.

Report, etc., estimating moneys to be raised . . . for the year 1873. Brooklyn: Eagle Print, 1872. 18 pp. pap. 8°. A

#### 1874.

Report, etc., estimating moneys to be raised . . . for the year 1874. *Brooklyn*, 1873. 15 pp. pap. 8°.

1875.
Lacking.
1876.
Lacking.
1877.
Lacking.
1878.

Annual statement of the board of estimate to the board of aldermen estimating moneys to be raised by tax for the year 1878. *Brooklyn: For the Corporation*, 1877. 21 pp. pap. 8°. A

— Same. n. t. p. 591-607 pp. 8°. A
In: Common Council Docs., 1877. no. 29.

## Board of Estimate, Contd.

Annual statement, etc., estimating moneys to be raised by tax for the year 1879. n. p., n. d. [847–] 861 pp. 8°.

In: Common Council Does., 1878. no. 29.

#### 1880.

Annual statement, etc., estimating moneys to be raised by tax for the year 1880. n. t. p. [540-]

In: Common Council Docs., 1879. no. 27.

#### 1881.

Annual statement, etc., estimating moneys to be raised by tax for the year 1881. n. p., n. d. [967-] 993 pp. pap. 8°.

Idem, 1880. no. 30.

- Same. Separate. n. p., n. d. 27 pp. pap.

#### 1882.

Annual statement, etc., estimating moneys to be raised by tax for the year 1882. n. p., n. d. 20 pp. pap. 8.

- Another edition. n. p., n. d. 19 pp. pap.

#### 1883.

Annual statement, etc., estimating moneys to be raised by tax for the year 1883. n. p., n. d. [759-] 778 pp. 8°.

In: Common Council Docs., 1882. no. 33.

#### - Comptroller.

## [Annual reports.]

### 1851/2.

Financial report of the comptroller [C. C. Betts] to the common council for the year ending on the 31st of August, 1852. Brooklyn: Wm. Foulkes, prtr., 1852. 16 pp. pap.

1852/3.

Lacking.

#### 1858/4.

Financial report of the comptroller [E. Estabrook] for the year ending 1st August, 1854. Brooklyn: I. Van Anden's Steam Presses, 1854. 86 pp. pap.

#### 1854/5.

Report of the comptroller [Wm. B. Lewis] of the receipts and expenditures of the corporation . . . for the [fiscal] year ending Sept. 1, 1855, together with the receipts and investments of the commissioners of the sinking fund for the same period. Brooklyn, E. D.: Bishop & Kelly's ... Presses, 1855. 111 pp. pap. 8. A

1855/6.

Annual report, etc. [for the fiscal year ending Aug. 31]. Brooklyn, E. D.: Bishop & Kelly's ... Presses, 1856. 110 (2) pp. pap. 8°. A

1856/7.

Lacking.

#### 1858.

Report of the comptroller... for the fiscal year ending Dec. 31. Brooklyn: L. Darbee & Son, prirs., 1859. 84 (1) pp. pap. 8°.

#### 1859.

Report of the comptroller [Chas. H. Collins] . . for the fiscal year ending Dec. 31. Brooklyn: L. Darbee & Son, prirs., 1860. 71 (1) pp. pap. 8°. A 1,000 copies printed in pamphlet form.

1860.

Lacking.

1861.

Lacking.

1862.

Report of the comptroller [Thomas H. Faron] for the fiscal year ending Dec. 31. Brooklyn: L. Darbee & Son, prtrs., 1863. 94 pp. pap. 8°. A 250 copies printed in pamphlet form.

Annual report of the comptroller, etc., for the fiscal year ending Dec. 31. n. l. p. 74 pp. 8°. A. In: Proc., 1864, v. s. 250 copies printed in pamphlet form.

Report of the Comptroller, etc. Brooklyn: L. Darbee & Son, prtrs., 1865. 85 pp. pap. 8°. A 250 copies printed in pamphlet form.

Report of the comptroller, etc. Brooklyn: L. Darbee & Son, prirs., 1866. 67 pp. pap. 8°. A soc copies printed in pamphlet form.

#### 1866.

Report, etc. s. t. p. 48 pp. 8°. In: Proc. Common Council, 1866. v. 4.

1867.

Lacking.

1868.

Lacking.

1869.

Annual report of the comptroller [Evan M. Johnson] for the fiscal year ending Dec. 31. n. l. p. 58 pp. 8°. A
In: Proc. Common Council, 1870, v. 2.
250 copies of this report were ordered printed in pamphlet

#### 1870.

Annual report, etc. n. t. p. 66 pp. 8°. In: Proc. Common Council, 1871, v. 2.

Annual report of the comptroller [F. A. Schroeder] for the fiscal year ending Dec. 31, 1871. n. p., n. d. [71-]172 pp. 8°.
In: Proc. Common Council, 1872, v. 2.

1872.

Lacking.

1878.

Report of the comptroller, etc. New York: The Aldine Co., 1874. 142 pp. cl. 8°.

Report of the comptroller [S. S. Powell] for the fiscal year ending Dec. 31. n. p., n. d. 126 pp.

In: Proc. Common Council, 1875, v. 2.

1875.

Lacking.

1876.

Report of the comptroller [William Burrell] for the fiscal year ending Dec. 31. \*. p., n. d. [755-] 878 pp. 8°.
In: Common Council Docs., 1877, no. 34.

## - Comptroller, Cont'd.

Brooklyn: Printed for the Cor-Report, etc. poration, 1878. [909-]1042 pp. 8°. In: Common Council Docs., 1878, no. 35.

Report of the comptroller [William G. Steinmetz] for the fiscal year ending Dec. 31. n. p., n. d. [599-]722 pp. 8°. In: Common Council Docs., 1879, no. 30.

## 1879.

Report of the comptroller, etc., together with the receipts and expenditures of the commissioners of the sinking fund for the same period. Brooklyn: Printed for the Corporation, 1880. [1103-]1138 pp. foldg. tbls. cl. 8°. A

With this report is bound: Special report of the comptroller ... on arrearages for assessments for general and special improvements. Statement of the Bureau of Docks with comparative tables. Brooklyn: By authority of the Common Council, 1880. [703-]905 pp.

Report of the comptroller [Ludwig Semler], etc. Brooklyn: For the Corporation, 1881. 155 pp. fold, pls. cl. 8°.

Report of the comptroller, etc. Brooklyn, 1882. [819-822], i-xii, 823-1047, iii pp. pap. 8°. A

Report of the comptroller [A. Brinkerhoff], etc. Brooklyn, 1883. 127, ii pp. cl. 8°.

Report of the comptroller, etc. Brooklyn, 1884. 118, xx, ii pp. foldg. tbls. pls. cl. 8°.

Report of the comptroller, etc. Brooklyn, 1885. 92 pp. foldg. tbl., pl. lea. 8°.

#### 1885.

Report of the comptroller, etc. Brooklyn, 1886. 148 pp. foldg. tbls., pl. cl. 8°. A

Report of the comptroller [Walter L. Livingston]. Brooklyn, 1887. 144 pp. fold. tbls. cl. 8°. A

Report of the comptroller, etc. Brooklyn, 1888. 160 (1) pp. foldg. tbls. pap. 8°.

#### 1888

Report of the comptroller [A. Brinkerhoff], etc. Brooklyn, 1889. 151 (1) pp. foldg. tbls. cl. 8°. A

#### 1889.

Report of the comptroller [Theo. F. Jackson], etc. Brooklyn, 1890. 148, ii pp. foldg. tbls. cl.

#### 1890.

Lacking.

1891.

Lacking.

1892.

Lacking.

1898.

#### Sinking Fund Commission.

#### [Semi-annual report.]

#### 1876.

Report of the commissioners on the condition of the sinking fund, Dec. 30, 1876. n. t. p. 129-142 pp. 8°.
In: Common Council Docs., 1877. no. 12.

#### 1877.

- June, 1887. n. l. p. 625-634 pp. 8°. A Ibid., no. 32. - Dec., 1877. n. t. p. [103-]106 pp. 8°. A Idem, 1878. no. 13.

#### 1878.

— June, 1878. *n. p*., n. d. [891–]901 pp. Ibid. no. 33.

- Dec., 1878. n. t. p. [199-]203 pp. 8°. A Idem, 1879. no. 16.

– Same. Separate.

## 1879.

Lacking.

1880.

Lacking.

#### 1881.

- June, 1881. **s. p., n. d.** [761-]769 pp. —— Dec., 1881. n. l. p. [301-]306 pp. 8°. A In: Common Council Docs., 1882. no. 17.

#### 1882.

– June, 1882. *s. p.*., n. d. [751–]756 pp. 8°.

Ibid. no. 32. - Tax Department. Sale of property for unpaid taxes. Sale register, [16-]33. Taxes due 1856-73. Property sold, 1858-80. *Brooklyn*, 1858-80. F°. A

- Sale of property for unpaid assessments. Assessment sale, [4, 6-10,] 12-17. 1861-65, 1867-75. Brooklyn, 1859-73. F°. Same. Liber K-M. Assessment sale, Sept., Dec., 1874, July, 1876. Brooklyn, 1874-76.

- List of the parcels of property to be included in a sale [for unpaid taxes], Feb., Apr., Je., Oct., 1885; Feb., Apr. 14, 21, Je., 1886; July, 1887; Je., Oct., 1888; Aug., 1889; Je., Oct., 1890; Sept., 1891; Oct., 1892. [Brooklyn, 1885-92.] F. A

- Nassau Water Department. Sale of property ... for the unpaid ... water rents. no. 1, 3, 5-10; due 1859/63, 1864, 1866-71; sold Jan. and Nov., 1868, 1870-72. Brooklyn, 1867-72. F°. A

#### Non-Serial Publications.

Brooklyn.—Finance Committee. Report of the special Committee of the Common Council of . Brooklyn: on the subject of the finances, indebtedness, &c., of the city, presented . . . March 31st, 1838. Brooklyn: Arnold & Van Anden,

prtrs., 1838. 1 p. l., 54 pp. pap. 12°. A

— Finance Committee. Annual financial report . . . March 1, 1846. [Brooklyn, 1846.] Broadside.

Public Improvements and Assessments, Com-Report of the comptroller [Halsey Corwin], etc. Brooklyn, 1894. 239 pp. foldg. tbls. bds. 8°. A lection of taxes and assessments, upon so much of the subject submitted to them as relates to public improvements and assessments... November 11, 1847. Brooklyn: Lees & Foulkes, prtrs., 1847. 16 pp. pap. 8°.

— Comptroller. Report...showing a full statement of the several trust accounts, also of all the receipts and expenditures of the City...for the years 1841-'50, by Peter Bergen, comptroller, September 1, 1850. Brooklyn: I. Van Anden, 1850. 77 pp. pap. 8°. A

Tax Department. Reports of the collector of taxes and assessments [Isaac Badeau], exhibiting the receipts of taxes and assessments, and other statistical information. Brooklyn, E. D.: Daily Times Print, 1867. 32 pp. 8°. A

New Utrecht.—Supervisor. List of lands to be sold for unpaid assessments in the northerly drainage district of the town of New Utrecht, Kings County, November 26, 1872. New York: Rogers & Skerwood, n. d. 15 pp. 4°.

**Brooklyn.**—Collection Department. Report of the collector of taxes and assessments; being a statement of receipts from July 26, 1875, to March 31, 1877, with detailed statements showing the distribution of the same, and of unpaid taxes and assessments transmitted to the registrar of arrears for collection. n. t. p. pp. 367-432. 8°. A

Docs. addressed to Common Council, 1877. no. 23.

--- Common Council. Report of the special committee of the board of aldermen estimating

amounts to be raised for municipal purposes for the year 1878. n. p., n. d. pp. [1055-]1073. 8°. A Docs. to Com. Council, 1878. no. 38.

— Same. Separate. Brooklyn: The Corporation, 1877. 27 pp. pap. 8°. A

Report of the special committee of the board of aldermen, estimating amounts to be raised for municipal purposes for the year 1878. n. p., n. d. pp. 899-923. 8°. A

Docs. addressed to Common Council, 1877. no. 41.

Tax budget for the year 1880. Proceedings of the Common Council estimating the amount of money to be raised for purpose of maintaining city departments. Adopted Nov. II, 1879. Brooklyn: Prtd. for the Corporation, 1879. pp. [740-]763. 8°.

Documents, 1879. no. 34.

- Same. Separate. 23 pp. pap. 8°. A

— Comptroller. Special report of the comptroller to the mayor and common council, on arrearages for assessments for general and special improvements. Brooklyn: By authority of the common council, 1880. pp. [733-]905. diagr., tbls. 8°. A In: Brooklyn. Common Council Docs., 1880. no. 26.

— Mayor. The city's finances. The debt, the sinking fund and taxation. A message of the Hon. A. C. Chapin, mayor, Feb., 1890. [Brooklyn, 1890.] 16 pp. 8°.

# CHECK LIST OF WORKS IN THE NEW YORK PUBLIC LIBRARY RELATING TO THE CHURCHES OF BROOKLYN.

\*\*\* The letters A and L following the titles indicate the location, referring to the Astor and Lenox buildings respectively.

#### GENERAL-HISTORICAL.

Historical sketches of the churches of the City of Brooklyn, No. I. [Compiled by] H. A. Lees. Brooklyn: Lees & Foulkes [1850]. 8°. L

Evangelical churches in the City of Brooklyn. Letter to the convention of ministers and representatives of the evangelical branches. New York, 1866. 8°.

Brooklyn Daily Eagle. Brooklyn church semi-centennials. Plymouth church annals. First Presbyterian Church, Williamsburg, and Dr. Wells. New Lots Reformed Church. [Brooklyn,] 1900. I p. l., 40 pp. 4°. (Brooklyn Eagle library, no. 39.)

#### BAPTIST.

**Brooklyn** Baptist Church Extension Society. Annual reports. no.12-13 (1898/9-99/1900). *Brooklyn*, 1899-1900. 8°. A

— Ten years' survey, 1892. [Brooklyn, 1892.]

Emmanuel Baptist Church. Year book, 1888-89. New York, 1889. 16°. A

First Baptist Church in Pierrepont St. Articles of faith, covenant and rules of order. New York, 1870. ii, 22 pp. 24°.

— Church manual. New York, 1874. 52 pp. 24°.

—— Church manual, articles of faith, covenant, rules of order, officers, etc.; together with a complete list of the members. New York, 1874. 52 pp. 24°.

#### CATHOLIC.

Church of the Nativity. Financial statement, together with historical sketch... from Oct. 1st, 1871, to Dec. 31st, 1882. New York, 1883. 53 pp. 8°.

#### CONGREGATIONAL.

Congregational Association of New York and Brooklyn. [Constitution.] [New York, 1861?] 2 l. 8°.

Congregational Churches (U.S.) The Brooklyn council of 1874. Letter-missive, statement and documents, together with an official phonographic report of the proceedings and the result of the council. New York, 1874. 8°.

**Church** of the Pilgrims. Manual: 1849, '55, '59, '64/65, '69, '76, '88. *New York*, 1849-'88. nar. 12°, 8°

The confession of faith, covenant, ecclesiastical principles and rules, forms of admission, etc., and list of the members to 1859. New York, 1859. 42 pp. 12°.

- ---- Catalogue of members and list of officers, 1861. New York, 1861. nar. 12°. A
- The order of public worship, confession of faith, covenant, forms of admission, etc., ecclesiastical principles and rules; with list of members, 1869, 1876. [New York, 1869-'76.] 8°. A
- The obligation of man to obey the civil law: its ground and extent. A discourse... by R. S. Storrs. New York, 1850. 8°. A
- An address on congregationalism, as affected by the declarations of the Advisory council of Feb., 1876. By R. S. Storrs. . . With minutes of the proceedings of the church in relation thereto. New York, 1876. 29 pp. 8°.
- The Church of the Pilgrims, Brooklyn, New York: its character and work, with the changes around it, during forty years of pastoral service. A discourse, delivered November 14, 1886. By Richard S. Storrs. New York: A. S. Barnes & Co. [1886.] 68 pp. 4°.
- Sunday School. Catalogue of books belonging to the Sunday school. New York, 1873. 10 pp. sq. 16°.
- —— New York, 1876. 11 pp. 12°. A
  —— Pilgrim Chapel. Annual report of the Pilgrims chapel. no. 1-2 (1876-1877). Brooklyn, 1877'78. 12°. A

Report for 1877 in Memorial of the officers and teachers . . .

- Annual report presented at the annual meeting of the Church of the Pilgrims. no. 1 (1877).

  Brooklyn, 1877. 12°. A
- Memorial of the officers and teachers of the Pilgrim chapel, and second annual report... [Brooklyn, 1878.] 10 pp. 12°. A

Clinton Ave. Congregational Church. Manual, no. 2, 6, 9 (1857, '75, '84). *Brooklyn*, 1857[-1884]. 8° and 12°.

— The Parish record of the Clinton Ave. Congregational Church of Brooklyn. v. 1, no. 1 (Nov., 1885). [Brooklyn, 1885.] 8°. A

**Plymouth** Church. Manual. ed. 1-5 (1848, '50, '54, '67, '74). *New York*, 1848-'74. 8° and 12° and 16°.

- God's seal and testimony. A sermon: preached... by H. W. Beecher. with a list of members received at the communions of May, June and July, 1858. *Brooklyn*, 1858. 28 pp. 12°. A
- An account of the services of the silverwedding week in Plymouth church (Rev. Henry Ward Beecher's). New York, 1873. 95 pp. 8°. LA

- Reply of Plymouth church to the council of congregational churches sitting in Brooklyn, March 25th, 1874. [New York, 1874.] 15 pp. 8°. A

Plymouth church and its pastor, or Henry Ward Beecher and his accusers. By J. E. P. Doyle. Hartford, Conn.: Park Pub. Co., 1874. 1 p. l., v-ix, 13-566 pp., 3 pl., 8 port. 8°. L

- Letter-missive. [Brooklyn, 1876.] 30 pp.

Authors' festival, in aid of the Bethel, Feb. 23 and 24, 1881. [Brooklyn, 1881.] 16°.

- Proceedings of a council . . . for the installation of . . . Lyman Abbott . . . as pastor, and the ordination and installation of . . . H. S. Bliss, as assistant pastor . . . with a sermon by Lyman Abbott, . . . on the new theology. Brooklyn, 1890. 67 pp., 3 port. 8°.

— Sunday School Library. Catalogue, 1867, '75, '86. New York, 1867-'86. 24°, sq. 24°. A

Puritan Church. Manual, 1875. New York [1875]. 8°.

South Congregational Church. Manual.. 1864, '68. Brooklyn, 1864-68. 16° and 8°.

State Street Congregational Church. Manual. Brooklyn, 1861. 24 pp. 16°.

Tompkins Avenue Congregational Church. Manual. Brooklyn, 1877. 32 pp.

#### PRESBYTERIAN.

City Park Chapel (The). Annual report. 1873, '74, '81, '83, '86, '88. New York, 1873-88. 8°. A

First Presbyterian Church. Manual, 1863, '68, '75. *Brooklyn*, 1863-'75. 16° and sq. 16°. A

- Roll [of members]. New York, 1866. 29 pp.,

1 l. 24°.

The valedictory of Paul to the Corinthians. A discourse delivered in the . . . church, Jan. 11, 1829. With a formula of a confession of faith and covenant, . . . and a catalogue of the communicants. Brooklyn, 1829. 27 pp. nar. 8°.

- Sunday School. Catalogue of the library, 1864, '69. Brooklyn, 1864'-69. 24°.

First Presbyterian Church and City Park Chapel -Sabbath Schools. Short lessons on the life of the apostle Paul. nos. 1-24 (Oct., 1871-'72). [Brooklyn, 1871-'72.] 24 l. 8°. With manuscript additions.

Lafayette Avenue Church. Manual, 1863, '70. New York, 1863-70. nar. 16° and 24°.

Its history and commemorative services, 1860-1885. Rev. Theodore L. Cuyler, pastor, prepared by a committee of the church. New York: R. Carter & Bro. [cop. 1885.] 1 p. l., 308 pp., I port, 12°.

Park Presbyterian Church. Manual, 1860. New York, 1860. 24°. Contains a brief historical sketch.

Ross Street Presbyterian Church. Ross Street bazaar, pub. by the ladies of the church, v. I. (Dec. 1881.) Brooklyn, 1871. 8°.

Second Presbyterian Church. Manual, 1875. Brooklyn, 1875. 24°.

South Presbyterian Church. Manual, Nov. 1851. New York [1851]. 27 pp. 24°.

Westminster Presbyterian Church. Manual. New York, 1865. 8 pp. 2 l. 12°.

#### METHODIST EPISCOPAL.

Sands Street Methodist Episcopal Church. Old Sands Street Methodist Episcopal Church of Brooklyn, N. Y.; an illustrated centennial record, historical and biographical; with an introduction by Rev. A. S. Hunt. By Edwin Warriner. New York: Phillips & Hunt, 1885. xxi, (1) 520 pp. 3 pl., 52 port. 8°.

Wesley Methodist Episcopal Church. History of the Wesley M. E. Church of Brooklyn, L. I., with laws relating to the incorporation of religious societies in the state of New York, and statistical information showing the growth of Methodism . . . throughout the world. By Gilbert E. Currie. New York: N. Tibbals & Son, 1876. xxiv, 315 pp.

#### PROTESTANT EPISCOPAL.

Church of the Atonement. Catalogue of library of the Sunday-school. Brooklyn, 1866. 24°.

Church of the Holy Trinity. Pastoral letter. [Brooklyn, 1856?] 8°.

— Easter-day celebration of the Sunday Schools. (1855.) New York, 1855. 8°. A - A commemorative discourse delivered on the occasion of celebrating the completion of the

tower and spire of the Church . . . Dec. 19, 1867. With illustrative historical notes by Rev. T. S. Drowne, D.D. New York: Hurd & Houghton, 1868. 78 pp. 8°.

- Library. Alphabetical catalogue of the Sunday school and parish library. Brooklyn, 1861. 16 pp. sq. 24°.

- Pastoral Aid Society. Annual report. nos. 4-6 (1874-'76). New York, 1874-'76. 24°.

Church of the Messiah. Popular education. [By] C. R. Baker. [Brooklyn,] 1875. 8°.

- Sermon on the tenth anniversary of rectorate, Feb. 4, 1883; by C. R. Baker. Brooklyn, 1883. 4°.

- Sermon preached at the opening of the new chancel... by the rector, C. R. Baker... [Brooklyn,] 1893. 8°.

**Grace** Church, Brooklyn Heights. Year book, 1871, '73, '75, '89-92, '94-96, '98-99. Brooklyn, 1871-99. 12° and 24°.

Early numbers called Parish Year book. 1883 called Parish

- Christmas festival, 1885, '89–90. [Brooklyn, 1885–90.] sq. 16°. - Semi Centennial, 1847–1897. Brooklyn

[1897]. 112 pp., 3 p. l. sq. 8°. Grace Church Chapel. Annual report. 1878/9,

1886, 1891. Brooklyn, 1876-91. 8°. Other reports in year book of Grace Church.

Grace Church, Williamsburgh. Report of the establishment of Grace Church, Williamsburgh, Brooklyn, by Rev. A. Guion. New York, 1859. 2 p. l., 31 pp. 16°.

- Sunday-school. Alphabetical catalogue of the Sunday-school and parish library. Brooklyn, 1861. 24°.

Saint Ann's Church. Saint Ann's Church (Brooklyn, N. Y.) from the year 1784 to the year 1845, with a memorial of the Sunday schools. which is added an appendix, containing a brief notice of the other Episcopal churches in Brooklyn. Brooklyn: F. G. Fish, 1845. v, (4) 10-220 pp., I pl. 8°.

---- Inaugural sermons preached at the opening services, Oct., 1869. Published by the vestry. New York, 1869. 88 pp. 8°.

— The old and the new; or, The past and present of the parish of Saint Ann's, Brooklyn. [Compiled by H. M. Gardner, Jr.] Brooklyn: E. F. de Selding, 1869. 36 (1) pp., 4 pl. 12°. L

— The Parish year-book. [Brooklyn,] 1887q1. 16°. A

Saint George's Church. Services commemorating the thirtieth anniversary, October 29 to November 3d, 1899. [New York, 1899.] 81 pp. 80. 4°.

Saint Luke's Church. The parish hand-book for 1886. [Brooklyn,] 1886. 16°. A

Saint Mark's Church. "Our church's first century." A discourse delivered in Saint Mark's church, Brooklyn. By Spencer S. Roche. February 8, 1885. Brooklyn: [the church,] 1885. 19 pp. 8°.

Saint Paul's Church. The portfolio, festival and fair, November 19th, 20th, and 21st, 1872. [New York, 1872.] 78 pp. sq. 8°. LA

Saint Thomas's Church. Statement and appeal of the trustees. New York, 1853. 8°. A

#### REFORMED.

Bushwick Church. Tombstone inscriptions in the burial ground of the old Bushwick church, (Brooklyn, N. Y.) Copied August, 1880, by G. Sparrow. (In: Kings County Genealogical Club Collections. v. 1. no. 4. pp. 45-52.)

First Reformed Church. Our Sabbath school floral anniversary. Festival of the May queen...
May 10, 1871. New York, 1871. 18 pp., 1 l.
12°. A

**Bedford** Avenue Reformed Church. A pastoral [by E. S. Porter]. *Brooklyn*, 1873. 8°. A

First Reformed Dutch Church. Memorial of the late Rev. J. Kimball, D.D. . . . [Brooklyn, 1875.] 34 pp. 12°. A

North Reformed Dutch Church. Valedictory sermon preached... April 30, 1865, by Rev. A. Elmendorf. New York, 1865. 25 pp. 8°. A

Reformed Dutch Church. Baptisms in the Reformed Dutch church of Brooklyn [from 1660 to end of 1719. Marriages from Oct., 1660, to June, 1696]. As translated by . . . T. G. Bergen. (In: Kings County Genealogical Club Collections. v. 1, nos. 4-6. pp. 55-96.)

Repr. Brooklyn Corporation Manual of 1869.

— First book of records of the Dutch Reformed Church of Brooklyn, N. Y. (In: Year book of the Holland Society of New York, 1897. pp. 133-194.

#### UNITARIAN.

Church of the Saviour. Loyalty to Christ. A discourse preached at the installation of A. P. Putnam . . . By E. S. Gannett. *New York*, 1864. 8°.

— Unitarianism in Brooklyn. A sermon preached by A. P. Putnam... at the commemorative services... on the twenty-fifth anniversary of the consecration of the church... Brooklyn, 1869, 58 pp. 8°.

— Easter services... A sermon by A. P. Putnam... with an account of the Sunday school celebration... etc. *Brooklyn*, 1876. 57 pp. 8°. A

— Human and divine sympathy: A sermon preached May 18, 1879, by J. M. Pullman. New York, 1879. 8°. A

Unitarian Society, Brooklyn, N. Y. (Second.) Twenty-fifth anniversary of the first meeting... New York, 1876. 64 pp. 8°. LA

#### UNIVERSALIST.

Church of Our Father. Souvenir. April, 1891. [Brooklyn, 1891.] 16 pp. nar. F°. A

#### Miscellaneous.

**Brooklyn** Ethical Association. [Manual.] nos. 14-15 (1894/95-95/96.) [New York, 1894-95.]

Brooklyn Liberal Christian Union. Report of the annual meeting. nos. 1-3 (1867-'69). Brooklyn, 1867-'69. 8°. A
No. 1 has title: Origin and 1st annual report.

**Brooklyn** Sunday-School Union. Three questions answered. What is it? What does it do? What does it propose? [Brooklyn, 1876.] 8 pp. A

— The centennial celebration! 1776, 1876. Hymns and music for the 47. anniversary of the Brooklyn Sunday School Union, . . . May 24, 1876. New York: The Union [1876]. 8 pp. ob. 24°. L

Church of the Restoration. Address delivered at the dedication of the Church... Brooklyn, July 2nd, 1850, by F. A. Farley. New York, 1850. nar. 8°.

**Union** for Christian Work. Annual report. nos. 4-29 (1870-95). *Brooklyn*, 1870-96. 8° and 12°.

After 1895 the library and reading room only were continued, reports for which are found in the reports of the Free Lending library of the Union for Christian work.

United Brethren's (Moravian) Church. Principles and discipline of U. B. (M.) C. New York: G. F. Bunce & Co., 1856. 12 pp. 16°. A

# CHECK LIST OF WORKS IN THE NEW YORK PUBLIC LIBRARY RELATING TO THE LIBRARIES OF BROOKLYN.

The letters A and L following the titles indicate the location, referring to the Astor and Lenox buildings respectively.

Apprentices' Library Association of Brooklyn. See Brooklyn Institute.—Youth's Free Library. Brooklyn Athenaeum and Reading Room. Annual report of the board of trustees. nos. 1-2, 4 (1854-55, '57). Brooklyn, 1855-'57. 8°. - Articles of association, by-laws, rules and regulations. Brooklyn, 1853. 24 pp. nar. 12°. A — Brooklyn, 1857. 28 pp. 12°. A A catalogue of the library with the rules of the library committee . . . New York, 1853. 64 pp. Catalogue of the annual exhibition of pictures. no. 1 (1856). Brooklyn, 1856. 8°. Brooklyn Institute .- Youth's Free Library. Catalogue of the Youth's free library, Brooklyn institute, . . . chartered Sept., 1824, by the name of the Apprentices' library association, of Brooklyn. Brooklyn, 1849. 114 pp. nar. 16°. - Supplement. Brooklyn, 1851. 8 pp. nar. 16°. – *Brooklyn*, 1852. 4 pp. nar. 16°. Brooklyn, 1857. 118 pp. 16°. - Supplement. [Brooklyn, 1858.] pp. 16°. [Brooklyn, 1859.] 7 pp. 16°. A – *Brooklyn*, 1867. 2 p.l., 88 pp. nar. 16°. - *Brooklyn*, 1873. 116 pp. 16°. **Brooklyn** Library. Annual report. nos. 1-8, 12-18, 23-42 (1858-'65/6, '69/70-'75/6, '80/81-'99/1900). *Brooklyn*, 1859-1900. 8°. A '99/1900). Brooklyn, 1859-1900. nos, 29-37, 41-42. L Formerly known as "Mercantile Library Association of Brooklyn. — Bulletin of new books. nos. 1-7, 9-13, 15-39 (Nov., 1869-Feb., '74, Oct., '75-Dec., '79, Jan., '81-Dec., 1900). [Brooklyn, 1869-1900.] – nos. 17, 22, 25–31, 33, 34, 36–39. L - Book-list. nos. 8, 22 (July, 1884, Sept., '85). Brooklyn, 1884-'85. 4° - Classed bulletin of books added to the . . . See Bulletin of new books. library. Constitution of the Mercantile library asso-Brooklyn, 1858. 1 p. l., 8 pp. 24°. - Catalogue of the Mercantile library of the city of Brooklyn. Brooklyn, 1859. 2 p. l., 77 pp. - Manual of the board of trustees. 1865. Brooklyn, 1865. nar. 12°. - Alphabetical catalogue of works of fiction in English prose, February, 1869. [Brooklyn? 1869.] 36 pp. 4°.

— List of periodicals [and regulations]. [Brooklyn, 1869.] n. t. p. 2 l. 8°. A — English prose fiction, Nov., 1873. [Brook*lym?* 1873.] nar. 4°. - Supplementary class list. English prose fiction. Nov., 1873-Nov., '74. [Brooklyn, 1874.] For continuation see: "Book-list." - Analytical and classed catalogue . . . thors, titles, subjects and classes. Brooklyn, 1881. - Music catalogue. nos. 1 and 2, Jan. 1887. 4°. - Music bulletin. no. 3, March 1, 1891. - Catalogue of English prose fiction, including juveniles and translations. Complete and revised edition, July, 1894. Brooklyn [1894]. 2 p. l., 254 pp. 4°. Brooklyn Library Association of the Eastern District. Catalogue, 1866. Brooklyn, 1866. 272 pp. Brooklyn Library and Reading Rooms. See Brooklyn Library. Brooklyn Mercantile Library. See Brooklyn Library. Brooklyn Public Library. Annual report of the board of directors. nos. I-2 (1898-'99). Brooklyn, 1899-1900. 8°. — Testimonial to the Brooklyn Public Library Association. Issued in connection with the benefit given under the auspices of a committee of citizens. New York, 1898. 36 pp. sq. 8°. - Complimentary dinner to the Hon. David A. Boody by the directors of the Brooklyn Public Library, Apr. 10, 1901. [Brooklyn, 1901.] 14 pp., 1 port. 8°. A Church of the Holy Trinity. Alphabetical catalogue of the Sunday-school and parish library. *Brooklyn*, 1861. 24°. Church of the Pilgrims. Catalogue of books belonging to the Sunday-school. New York, 1873.

New York, 1876. 11 pp. 12°.

Free Lending Library Union for Christian

Hamilton Club. - Library. Catalogue. Brook-

Long Island Historical Society. Medical de-

partment of the library . . . An account of its

Work. See Union for Christian Work, Brooklyn.

το pp. sq. 16°

-Free Lending Library.

*lyn*, 1885. 79 pp. 8°.

8°.

Additions pasted on fly leaf.

formation, with a catalogue of the books. Brooklyn, 1870. 31 pp. 8°. Mercantile Library of Brooklyn. See **Brooklyn** Mercantile Library. Plymouth Church. Catalogue of the Sundayschool library, 1867, 1875, 1886. New York, 1867-86. 24°. Pratt Institute Free Library. Report. no. I[-4] (1896/7-'99/1900). Brooklyn, 1896[-1900]. The first printed annual report of the Library. For statistics of previous years, see Pratt Institute, Ann. catalogue. - Annual bulletin of additions. no. 1 (1894). Brooklyn, 1895. 8°. - Monthly bulletin. v. 1, no. 1-6 (1899– °. A L 1900). Brooklyn [1899-1900]. 8°. - Bulletin. no. 10-16 (1893-'95). Brooklyn [1893-'95]. 8° and 4°.
no. 10. Finding list of works in the French language, Sept. 1893. no. 11-12. Accessions, no. 13-14. Accessions, Ā no. 13-14. Accessions.
no. 15. Alphabetical subject list of government documents,
July, 1894.
no. 16. Finding list of works in the Ger. lang., Jan., 1895.
A L

— Books for children under fourteen years of age. August, 1895. Brooklyn, 1895. 4°. L

— Finding-list of fiction, except French and German. August, 1895. Brooklyn, 1895. 4°. L

— Bulletin of new books received during December, 1895. [Typewritten.] F°. L

— Information for borrowers, 1898. [Brooklyn, 1898.] 13 pp. 24°. A

School District No. 5.—Library. Classified catalogue. Brooklyn, 1848. 36 pp. nar. 12°. A

Union for Christian Work, Brooklyn.—Free Lending Library. Annual report, nos. 17, 22-23 (1883, '88-99.) Brooklyn, 1884-1900. 12°. A

— New books. no. 95 (May, '98). Brooklyn, 1898. folded f°. A

Young Men's Christian Association.—Library. Catalogue of books. Brooklyn, 1862. vi, 7-103 pp.

– *Brooklyn*, 1872. 189 pp. 8°.

A

# CHECK LIST OF WORKS IN THE NEW YORK PUBLIC LIBRARY RELATING TO THE SCHOOLS OF BROOKLYN.

\*\* The letters A and L following the entries indicate the location, referring to the Astor and Lenox buildings respectively.

#### [CITY DOCUMENTS.]

Brooklyn.-Board of Education.

Annual Reports.

#### 1852.

Annual report of the superintendent of public schools [S. L. Holmes]... to the Board of Education, Feb. 1, 1853. Brooklyn: I. Van Anden's Presses, 1853. 30 pp. pap. 8°. A Preceded by an historical statement of the workings of the board since its establishment in 1843.

#### 1858.

Annual report of the superintendent [S. S. Randall], etc. *Brooklyn*, 1854. 15 pp. pap. 8°. A

1854.

Lacking.

1855-

Lacking,

#### 1855/6.

First annual report of the city superintendent of schools [J. W. Bulkley] of the consolidated city of Brooklyn; for the year ending Jan. 31, 1856, together with other documents concerning the schools ... Brooklyn: L. Darbee & Son, prtrs., 1856. 80 pp. pap. 8°.

1856/7.
Second annual report, etc. Brooklyn, 1857.

73 pp. pap. 8°. 1857/8.

Third annual report, etc. *Brooklyn*, 1858. 91 pp. pap. 8°. A

Fourth annual report, etc. Brooklyn, 1859.
101 pp. pap. 8°. A

1859/60.

Fifth annual report, etc. *Brooklyn*, 1860. 107 pp. pap. 8°. A

1860/1.

Lacking.

#### 1861/2.

Seventh annual report, etc. Brooklyn: Geo. C. Bennett, prtr., 1862. 96 pp. pap. 8°.

1862/3.

Lacking.

1868/4.

Lacking.

1864/5.

Tenth annual report, etc. *Brooklyn*, 1865. 92 pp. pap. 8°.

### 1865/6.

Eleventh annual report, etc. Brooklyn: Daily Times Print, 1866. 94 pp. pap. 8°. A 1866/7.

Twelfth annual report, etc. Brooklyn: L. Darbee & Son, prirs., 1867. 140 pp. pap. 8°. A

#### 1867/8.

Thirteenth annual report, etc. Brooklyn: Bergen & Tripp, prirs., 1868. 132 pp. pap. 8°. A

#### 1868/9.

Fourteenth annual report, etc. Brooklyn: For the Board, 1869. 98 pp. pap. 8°. A

#### 1869/70.

Fifteenth annual report, etc. Brooklyn, 1870. 139 pp. pap. 8°. A

### 1870/1.

Sixteenth annual report, etc. Brooklyn: R. M. Whiting, prtr., 1871. 38, lxxv. pp. pap. 8°. A 1871/8.

Seventeenth annual report, etc. *Brooklyn*, 1872. 74, 98 pp. pap. 8°. A 1872/3.

Lacking.

## 1878.

Annual report [19] of the superintendent of public instruction [Thomas W. Field] for the year ending Dec. 31, 1873. Brooklyn: R. M. Whiting, fr., & Co., 1874. 43 pp. pap. 8°. A

1874.
Annual report [20], etc. Brooklyn, 1875. 23,

105 pp. pap. 8°. 1875.

Annual report [21], etc. *Brooklyn*, 1876. 144 pp. pap. 8°. A

Annual report [22], etc. *Brooklyn*, 1877. 52, 164 pp. pap. 8°. A. Reports for 1876-1880 bound together.

o bound together.

Annual report [23], etc. Brooklyn, 1878. 52, 163 pp. 8°. A
Bound with above.

1878.

Annual report [24], etc. Brooklyn, 1879. 52, 164 pp. 8°. A
Bound with above.

#### 1879.

Annual report [25], etc. Brooklyn, 1880. 55, 149 pp. 8°. A
Bound with above.

#### 1880.

Annual report [26], etc. Brooklyn, 1881. 32, 158 pp. 8°. A
Bound with above.

#### 1881.

Annual report [27] of the superintendent of public instruction [Calvin Patterson], etc. Brooklyn, 1882. 13, 175 pp. pap. 8°. A

### 1882.

Twenty-eighth annual report, etc. n. p., n. d. 205 pp. pap. 8°. A. 1883.

Twenty-ninth annual report, etc. \*\*. p., n. d. 29, 221 pp. pap. 8°. A

#### 1884.

Thirtieth annual report, etc. \*\*. \*p., n. d. 29
218 pp. pap. 8°.
1885.

Thirty-first annual report, etc. n. p., n. d. 37, 249 pp. pap. 8°. A

Thirty-second annual report, etc. s. p., n. d. 59, 260 (1) pp. pap. 8°.

#### 1887.

Thirty-third annual report, etc., of the superintendent [Wm. H. Maxwell], etc. [Brooklyn: Thomas Larkin, prtr., 1888.] 72, 276, 100 pp. pap. 8°. A

#### 1888,

Thirty-fourth annual report, etc. [Brooklyn: W. W. Davis, prtr., 1889.] 89, 314 pp. pap.

#### 1889.

Thirty-fifth annual report, etc. [Brooklyn, 1890.] 91, 296 pp. pap, 8°. A

## 1890.

Thirty-sixth annual report, etc. [Brooklyn: T. J. Dyson, prtr., 1891.] 80, 302 pp. pap. 8°.

#### 1891.

Thirty-seventh annual report, etc. [Brooklyn: Citizen Job Print, 1892.] 83, 251 pp. cl. 8°. A

Thirty-eighth annual report, etc. [Brooklyn, 1893.] 102, 211 pp. pap. 8°. A

#### 1898.

Thirty-ninth annual report, etc. [Brooklyn, 1894.] 92, 212 pp. cl. 8°. A

#### 1894

Fortieth annual report, etc. [Brooklyn: T. B. Sidebotham, prtr., 1895.] 65, 230 pp. cl. 8°. A

#### 1895.

Forty-first annual report, etc. [Brooklyn, 1896.] 103, 233 pp. cl. 8°. A

Forty-second annual report, etc. [Brooklyn: T. J. Dyson & Son, 1897.] 118 pp. pap. 8°. A

—— Same. With detailed statements, etc. [Brooklyn, 1897.] 118, 243 pp. cl. 8°. A

#### 1897.

Forty-third annual report, etc. [Brooklyn: J. Polhemus Prig. Co., 1898.] 80 pp. pap. 8°. A

## [Manual.]

Manual of the Board of Education, with rules and regulations for the government of the public schools... Adopted April 15, 1856. Brooklyn: I. Van Anden's Presses, 1856. 60 pp. pap. 12°. A

#### 1858.

Manual, etc. Revised and adopted May 4, 1858.

Brooklyn: Geo. C. Bennett, prtr., 1859. 72 pp.
pap. 12°.

A

Brooklyn, 1860. 67 pp. 12°. A

1867.

Manual of the Board of Education . . . Revised and adopted September, 1867. Brooklyn, E. D.: L. Darbee & Son, prtrs., 1867. 127 pp. pap. 12°.

#### 1878.

Manual, etc. Brooklyn: R. M. Whiting, Jr., & Co., n. d. lxx., 185 pp. bds. 8°. A. Contains a history of the founding and growth of the public school system in New York and Brooklyn up to this time.

#### [Proceedings.]

Proceedings of the Board of Education, 1867-1879, 1882, 1886. n. t. p., 1867-75. Brooklyn: For the Board, 1876-86. 8°.

**Brooklyn.**—Education Board. Report of the minority of the committee on studies... on the question of introducing the study of German in the public schools. [Brooklyn,] n. d. 12 pp. pap. 8°.

By-laws of the board... with rules and regulations for the government of the public schools,... adopted May, 1843. *Brooklyn: I. Van Anden*, 1843. 29 pp. 12°. A

By-laws of the board... with rules and regulations for the government of the public schools... adopted Sept. 4, 1849. Brooklyn, 1849. 46 pp. 12°.

— Truant Law Committee. Annual report of the Committee... with reports of the Superintendent and Physician, of the Juvenile House of Industry, "Truant Home." Brooklyn, 1860. 8°.

— Education Department. Report of the Special Committee, to whom was referred so much of the 9. annual report of the Superintendent of Public Schools of the City of Brooklyn, as relates to absenteeism and truancy. Brooklyn, 1865. 8 pp. 8°

— Education Board. Report of the special committee...on school-house accommodation, presented Dec. 4, 1866. Brooklyn, 1867. 9 pp.

children the benefit of an elementary education . . . [Brooklyn, 1875.] 8 pp. pap. 8°. A

——— Report of Teunis G. Bergen, President of the Board of Education of Brooklyn for 1884. Brooklyn, 1885. 39 pp. pap. 8°. A

— An act to secure to children the benefit of an elementary education, . . . and report of

the committee on attendance, presented March 7, 1876. Brooklyn: Eagle...prtg. dept., 1876. 52 pp. pap. 8°. A

—— Names and residences of the officers and members of the board of education of Brooklyn for 1873/4, '75/6. Brooklyn, [1873-]75. 12°.

Report of the special committee on drawing in the public schools of ... Brooklyn. Submitted ... and accepted ... June 2, 1874. Brooklyn. R. M. Whiting & Co., prtrs., 1874. 14 pp. pap. 8°.

New course of study for the public schools of... Brooklyn, referred to the Committee on Studies, January 4, 1876. And adopted by the Board... April 16, 1878... [Brooklyn, 1878.] 99 pp. pap. 16°. A

—— Public Education Advisory Committee. Report. [Jan. 21, 1895.] New York: Evening Post Job-Prtg. House [1895]. 22 pp. 8°. A

Nickerson's illustrated church musical and school directory of New York and Brooklyn. New York: Dickerson & Young [cop. 1895]. 276 pp. 8°.

#### INDIVIDUAL SCHOOLS.

**Adelphi Academy.** Annual cat. no. 2, 4, 6-7 (old ser.); [1,] 3, 5-6, 13, 21-[32?] (new ser.) (1864/5, '66/7 '68/9-'69/70, '71/2, '73/4-'74/5, '81/2, '93/4-1901). *Brooklyn*, 1864-1901. 12° and 8°.

Inaugural exercises on the occasion of the iustallation of Col. H. B. Sprague, as principal . . . New York, 1870. 42 pp. 8°. A

— Extracts from the annual report of the principal, June, 1890. [Brooklyn, 1890.] 10 pp. 8°. A

— The Adelphie (1890-91). New York

—— The Adelphie (1890–91). New You [1890–91]. 8°.

— Founders' day exercises at the chapel of the Academy, 1892. Addresses of Mr. C. M. Pratt, and of Rev. B. P. Raymond. [New York, 1892.] 19 pp. 8°.

**Adelphi** College. Annual catalogue. no.1-[5]. (1896/7-1901). *Brooklyn*, 1897-1901. 12°. A

Brooklyn Chautauqua Union. Year Book, 1896. Brooklyn, 1897. 12° A

**Brooklyn** College of Pharmacy. Annual announcement. no. 3-4 6-10 (1893/4-94/5, '96/7-1900/1901). Brooklyn [1893-1900]. 8°. A

**Brooklyn** Collegiate and Polytechnic Institute. See Polytechnic Institute of Brooklyn.

**Brooklyn** Female Academy. See **Packer** Collegiate Institute.

**Brooklyn** Free Kindergarten Society. Annual report. no. 1, 3-5 (1892, '94-'96). [*Brooklyn*, 1892-'96.] 12°. A

1892-'94 called Brooklyn Kindergarten Assoc.

Brooklyn French Institute. [Announcement.] New York, 1859. 16 pp. 8°. A

**Brooklyn** Heights Seminary. Annual catalogue and circular. no. 5, 8, 11, 13, 15, 19, 23,

32 (1855/56, '58/59, '61/62, '63/64, '65/66, '69/70, '73/74, '82/83). New York, 1856-83. 8°.

— An address on Female education read at the annual commencement . . . by A. Gray. New York, 1854. 8°. A

---- [Announcement of change of management. Brooklyn, 1889.] 6 l. sq. 24°. A

**Brooklyn** High School for the Education of Young Gentlemen. Circular, 1846-47. New York, 1846-47. 12°. A

Brooklyn Hill Collegiate and Musical Institute for Young Ladies. Circular, 1878/80. Brooklyn, 1879-80. sq. 12°. A

**Brooklyn** Industrial Institute. An address at the opening of the annual exhibition . . . by J. Neilson. *Brooklyn*, 1873. 8°.

**Brooklyn** Institute. Annual report, 1848, '58, '66, '68. [Albany? 1848-'68.] 8°. (Senate & assem. doc.)

—— Bulletin for Oct., Dec., '91; Dec., '95; Oct., '96; Jan., March-May, Oct.-Dec., '97; Jan.-April, Nov., 98—date. Brooklyn, 1891-date. ob. 24°.

— Charter and by-laws. Brooklyn, 1844.

— Prospectus of lectures on science and art. (1888/9.) [Brooklyn, 1888.] nar. 8°. A

— Prospectus for 1891/2-1901/2. Brooklyn

— Weekly tickets, 1896-1901. [Brooklyn, 1896-1901.] nar. 16°. A

— Year-book. no. I-4, 6-10, 12. (1888-91/2, '93-97, '97/8, '99/1900.) *Brooklyn*, 1889-1900. 16° and 12°. A

— The purposes of the . . . institute . . . Remarks made by Rev. L. T. Chamberlain, D.D., at the first meeting of the incorporators of the . . . institute . . . March 3, 1890. *Brooklyn*, 1890. 12°.

—— Astronomical hand-book, for 1892. Brook-lyn, 1892. 8°. A

— Biological Laboratory. Season 2, 3, 8. (1891, 1892, 1897.) Brooklyn, 1891-'97. 8°. A 1891 called circular of information. 1892 called preliminary announcement.

— Department of Engineering. Year-book, 1891/2. Brooklyn, 1891. 12°. A

— Department of Fine Arts. Illustrated catalogue of the Goodyear collection of photographs of Italian architecture and sculpture, and of the survey of Italian mediæval buildings. Text by Wm. H. Goodyear. [Brooklyn, 1896.] 8°. A Reprint from the Architectural Record.

—— Department of Geography. Catalogue of the exhibition of geographical appliances, used in schools or libraries; collected . . . and exhibited by the Dept. of Geography of the Brooklyn Institute, Brooklyn, 1891. Brooklyn, 1891. 8°. A

— Graham Lectures. On the power, wisdom and goodness of God, as manifested in his works. Published by the Brooklyn Institute. v. 4. New York, 1874. 8°.

v. 4 Agassiz (L. [J. R.]) The structure of animal life, 3. ed. 1874.

Department of Music. [Courses, concerts and recitals announced for] 1896-1901. Brooklyn, 1896-1901. 8° ahd 4°.

- Department of Photography. Exhibition of photographs. no. 1. (1891.) Brooklyn, 1891.

 School of Political Science. [Prospectus] 1892/3, 1895/6-'96/7, '98/9. [Brooklyn, 1892-'99.]

Brooklyn Juvenile High School. Annual circular and catalogue. no. 10-11 [13-17, (1863/4-'64/5, '67/8-'71/2, '76/7). Brook 1863-'76. 8°. 22

Brooklyn Kindergarten Association. See **Brooklyn** Free Kindergarten Society.

Brooklyn Latin School for Boys. [Announcement, 1888/9. 6. year. [Brooklyn, 1888.] sq. 24

**Brooklyn** Mechanico-Therapeutic Institute. Mechanico-therapeutics: . . . By A. L. Wood. Brooklyn, 1890. 12°.

Brooklyn Preparatory School. Annual catalogue. no. 5-6 (1885-'86). Brooklyn, 1885-'86.

Browne's Business College and Academy of English Branches. Prospectus. New York, 1869. 40 pp. 8°.

Bryant and Stratton International Business College. See Bryant and Stratton Business Col-

Bryant, Stratton, Packard and Penn's Business College. See Bryant and Stratton Business Col-

Bryant and Stratton Business College. Annual catalogue. no. 7, 11, 14, 24, 26-27 (1868, '72, '75, '85, '87-'88). Brooklyn, 1872-88. 8°, 12°, 8°, 12

24.
In 1868, called Clark's Business College, Bryant and Stratton chain; in 1872, called Bryant and Stratton International Business College, Brooklyn.

Classical and English

Clark and Brownell Classical and English School. See Classical and English School of Clark and Brownell.

Clark's Brooklyn Business College, Bryant and Stratton Chain. See Bryant and Stratton Business College.

Classical and English School of Clark and Brownell. Annual catalogue. (1858/59-'59/60.) New York, 1859-'60. 8°.

Clinton Institute. Annual catalogue. no. I (1861/62). Brooklyn, 1862. 12°.

College Grammar School. Annual catalogue. no. 19, 31 [36] (1868, '80, ['85]). Brooklyn, 1868[-85]. 8° and 12°. A

College of Pharmacy of the City of Brooklyn. See Brooklyn College of Pharmacy.

Collegiate School. 'Annual circular. no. 1. 1864. Brooklyn, 1864. 24°.

Columbian Institute and Kindergarten. Catalogue and circular. Brooklyn, 1877. 20 pp. nar.

Formerly called the Remsen Street School.

Cumberland Academy. Annual catalogue and circular. no. 3. 1874. Brooklyn, 1874. 8°. A

Dudley's (Miss) Seminary. Catalogue. no. 1-2 (1867/8-68/9.) [Brooklyn,] 1868-69. 8°.

Friends' School for Boys and Girls. circular, no. 14, 23-25 (1880/81, '89/90-'91/92). Brooklyn, 1880-92. ob. 48° and 12°. No. 14. Title-page reads, "Catalogue and circular of the Friends Seminary."

Friends' Seminary. See Friends' School for Boys and Girls, Brooklyn.

Froebel Academy. Annual catalogue. no. 8-9 (1891/2, '92/3). Brooklyn, N. Y., 1891-93. sq. 16°.

Under the direction of Pratt Institute.

Heffley School of Commerce. Circular of information, 1894/5-1900/1901. Brooklyn [1894-1900].

Formerly Pratt Institute—Dept. of Commerce. 1894/5, 1895/6, called Announcement. 1897/8-98/9 are numbered II.-IV. New ed., Feb. 1, 1901.

Lafayette Institute. Annual catalogue. no.11 (1870/71). Brooklyn, 1871. nar. 12°.

Long Island Business College. Annual catalogue, 1880-'81. Brooklyn [1880-81]. 8°.

- Prospectus [1896/7-97/8]. [*Brooklyn*,1896--'9.] 16°.

Formerly called Wright's Business College.

Mansfield Academy. The satchel. v. I, no. 2-6 (July, 1867-Jan., 1868). [Brooklyn,] 1867-68. I2°.

Normal Business College.—English, Business, and Classical School. Annual catalogue. no. 4-5, 7 (1873/4-74/5, '76/7). Brooklyn [1873-76]. 8°. A

Packer Collegiate Institute. Annual catalogue. no. 1-2, 4-6, 8 [15, 18-23, 25-30, 34], 38-40, 46, 48,51 (1846/7-'47/8,'49/50-'51/2,'53/4,'60/1,63/4-'68/9, '70/1–'75/6, '79/80, '82/3–'85/6, '90/1,'92/3, '95/6). New York, 1846-'96. 12°.

Name formerly Brooklyn Female Academy. Early nos. called "Circular and Catalogue." nos. 1-2 in two parts, called "Circular" and "Annual Commencement."

Annual commencement of the Brooklyn Female Academy. no. 1-2 (1847-'48). New York, 1847-'48. 12°.

– By-laws. *Brooklyn*, 1858. 12°. A - Minutes of the annual meeting of the stockholders of the Brooklyn Female Academy. no. 5-7 (1850-'52). Brooklyn, 1850-52. 8°. No. 5, title-page reads: Proceedings of stockholders at their [annual] meeting.

- The Messenger-bird; a periodical conducted by the alumnæ of the Brooklyn Female Academy. v. 1 (Apr., 1849-Mar., 1850). Brooklyn, 1849-50.

- The Neophyte. Conducted by the young ladies. v. 1, no. 1, 3-4 (Dec., 1860, Feb.-Mar., '61). [Brooklyn, 1861.] 8°.

— The Packer, '90. Edited by the second year class. *Brooklyn*, 1889. 39 pp. 8°. A

- Packer alumna; published semi-annually by the associate alumnæ of the Packer Collegiate Institute. v. 9, no. 2 (Dec., 1893). Brooklyn, 1893.

3; 4-6, no. 3; 7, no. 2-3; 9; 10, no. 2-3; 11 (Dec., '68-June, '63; Apr., Dec., '70; Apr., '71; Oct., 71-Mar., '74; Jan.-Mar., '75; Oct., '76-June, Dec., '77-Apr., Oct., '78-June, '79). Brooklyn, 1868-79.

- Act of incorporation and articles of association of the Brooklyn Female Academy; together with a list of stockholders, by-laws, trustees' second annual report...etc. *Brooklyn*, 1847. 30 pp. 8°, A
- —— Celebration of the opening of the... institute for the education of females in the city of Brooklyn, Nov. 9, 1854. Address of Rev. Francis Vinton. *Brooklyn*, 1854. 37 pp. 8°. A
- Historical cantata. Brooklyn, 1859. 31 pp. A
- Woman in history. An entertainment given by the senior class of the . . . institute, in aid of the Brooklyn and Long Island sanitary commission . . . January, 1864. Brooklyn, 1864. 28 pp. 8°. A

**Polytechnic** Institute of Brooklyn. Catalogue, no. 1, 8-22, 24, 26-28, 32, 34, 39-[45] (1855/6, '62/3-'76/7, '78/9, '80/1-'82/3, '86/7, '88/9, '93/4-1900). *Brooklyn*, 1856-1900. 8°. A

Formerly called "Brooklyn Collegiate and Polytechnic Institute."

- Charter and by-laws. \*\*. \*p. [1890?] 20 pp. 24°.
- Rules of order. [New York, 1859.] 4 pp. 32°.
- Monthly journal of the Polytechnic literary society of the Polytechnic Institute, Brooklyn. v. 2, no. 2-3, 5 (Dec., '72-Jan., Mar., '73). Brooklyn, 1873. 8°.
- The Polytechnic published by the undergraduates of the Polytechnic Institute of Brooklyn. v. 3, no. 1-2 (Oct.-Nov., 1892). [Brooklyn,] 1892. F°. A
- The Polywog. [1887-]'88. [Brooklyn, 1887?-'88.] 8°.
- Catalogue of the library of the . . . institute [and of the Zetalethean society]. [Brooklyn,] 1861. 58 pp. 16°. A
- Retrospect and outlook. *Brooklyn*, 1890. 25 pp. sq. 4°.

**Pratt** Institute. Catalogue. 1890/1-'93/4,'95/6, '97/8, '99/1900. *Brooklyn*, 1890-1900. 8°. A

- Announcement, 1888/9-'89/90. [New York, 1888-]90. 16°. A
- Hand book of information, 1892/93. Brooklyn, 1893. 12°. A World's fair edition.

- Exhibit of the women graduates and pupils of ... institute. Columbian exposition, 1893.

  [Brooklyn, 1893.] 16 pp. 24°. A
- —— Plans and working drawings, with bill of material of the Workingman's model home erected by the board of general managers of the New York state exhibit at the World's columbian exposition, Jackson Park, Chicago, Ills., 1893. Plans made and furnished by the Pratt Institute. [Brooklyn, 1893.] 3 l. 8°.
- Department of Commerce. See **Heffley** School of Commerce.
- —— Library School. School of library training, [circular] 1898/9-1900/01. Brooklyn [1898-1900].
- Lectures on general literature. [Brook-lyns, 1893-'94.] 96-lectures. 4°. A nos. 1-2, Oriental literature; nos. 3-5, Greek literature; nos. 6-7, Roman literature; nos. 8-11, Italian literature; nos. 12-13, Scandinavian literature; nos. 14-21, German literature; nos. 22-20, French literature; nos. 30-31, Spanish literature; nos. 32, Russian literature; nos. 84-96, American literature.
- Graduates' Association. Report, 1897/8. New York, 1898. 16°.
- [Constitution, list of members, etc.] n. p. [1897?] 8 pp. 32°.
- A [Constitution and by-laws.] \*\*. p. [1897?] If. F°.

**Public** School. No. 15. The journal, pub. monthly by the B. 1st Boys, P. S., no. 15, v. 2, no. 3 (Dec., 1886). *Brooklyn*, 1886. 4°. A

Remsen Street School. See Columbian Institute and Kindergarten.

Rounds's (Miss) School. Annual catalogue. no. 11 (1886/87). Brooklyn, 1887. 12°. A

Saint Ann's Hall for the Christian Education of Young Ladies. Circular letter to patrons. New York, 1852. 8 pp. 8°.

Saint Francis College. The journal. St. Francis College, Edited by one of the brothers. Grand entertainment . . . 1886-'87, '90-'91. Brooklyn, 1886-'90. nar. 4°.

Whiteomb's (Miss) English, French, and German Day-School for Young Ladies and Children. Announcement and circular. nos. 19, 21 (1889/90, '91/92). Brooklyn, 1889-92. sq. 12°. A

Wright's Business College. See Long Island College.

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Amaranth (The). [Constitution and by-laws.] [Brooklyn, 1871.] 8 pp. 24°. A

**Brooklyn** Barnard Club. By-laws, lists of the officers and members. 1897–98/9. Brooklyn, 1897–98. sq. 16°.

**Brooklyn** Caledonian Club. Constitution and by-laws. *Brooklyn*, 1869. 32 pp. 24°. A

Brooklyn (The) Club. Charter, by-laws, list of officers and members. (1866, '70, '72, '74, '76, '78, '90, '97.) Brooklyn, 1866-97. 12°. A 1866 title: "Certificate of incorporation, and by-laws with the names of members." 1870-78 title: "By-laws with the names of members."

— Treasurer's report, 1870/1. [Brooklyn, 1871.] 8°. A

Statement for the year 1890/91. Brooklyn, 1891. 8°.

— Rules for the game of euchre. Brooklyn, 1885. 16 pp. 12°. A

— Dinner in celebration of the twenty-fifth anniversary... April 24, 1890. Toasts, speeches, and testimonial to Mr. B. D. Silliman. *Brooklyn*, 1890. 37 pp. 8°. A

Brooklyn Congregational Club. The church and its veterans, an address by W. I. Washburn. New York, 1895. 16 pp. 12°. A

**Brooklyn** Woman's Club. Paintings and other works of art by women artists of New York and Brooklyn. *New York*, 1890. 10 l. 12°. A

Business Women's Union. Annual report. No. 1, 4. (1871, '74.) Brooklyn, 1871-'74. nar. 12°. A

— [Appeal for cheap boarding houses for the better class of women engaged in industrial pursuits.] Brooklyn, 1872. 2 l. 8°. A

Central Union Club of Brooklyn. Campaign document, no. 1. Brooklyn, 1864. 8°. A

Clerical Society of Brooklyn. Constitution and by-laws, with the names of the members and the exaugural address of the late president, M. W. Dwight. *Brooklyn*, 1845. 16 pp. nar. 8°. A

Clinton Club. By-laws and list of members. Brooklyn, 1880. 24°. A

Columbian Club. Annual report, 1883. New York, 1883. sq. 16°.

Crescent Athletic Club. Club book. 1889, '91-92, '96, '98-1901. Brooklyn, 1889-1901. 16.

— A modern Columbus, a saltitorial medley by Mr. Wm. D. Preston, presented by company I. seventh regiment, N. G. S. N. Y., under the auspices of the . . . Club. [Brooklyn, 1890.] 12 l., 1 pl. ob. 24°.

**Excelsior** Baseball Club. Constitution and bylaws. *New York*, 1865. 25 pp. 32°. A

Excelsior Club. [Constitution, by-laws, certificate of incorporation and list of members.]

Brooklyn, 1881. 29 pp. 16°.

Hamilton Club. By-laws, list of officers and members. 1882; '84 Jan., Sept.; '85–88, '90–'91, '97, '99. Brooklyn, 1882–'99. sq. 12°. A 1882 contains also Act of incorporation, and preliminary proceedings.

---- Temporary list of names and addresses. [Brooklyn, 1886?] 28 pp. 8°. A

— Exhibition of pictures by American artists, April 13, 1887. [Brooklyn, 1887.] 4 l. 12°. A

—— An account of the dinner by the Hamilton Club to Hon. James S. T. Stranahan... Dec. 13, 1888. *Brooklyn*, 1889. 84 pp., 1 port. 8°. A

— Address of ... M. Woolsey Stryker, president of Hamilton college... Jan. 11, 1895, the birthday of Alexander Hamilton. [*Brooklyn*, 1895.] 25 pp. 8°.

Long Island Club. [Constitution, by-laws, etc.] Brooklyn, 187-?. 45 pp. 16°. A

Marine and Field Club. Constitution and bylaws, list of officers and members, 1897. [Brooklyn,] 1897. 16°. A

Oxford Club. [Certificate of incorporation, by-laws.] 1895-'96. [Brooklyn, 1895.] 16°. A

Rembrandt Club. Catalogue. Annual exhibition... Brooklyn, 1889. sq. 4°. A

Saint Patrick Society of the City of Brooklyn. Constitution and by-laws, 1877. Brooklyn, 1878. 3-14 pp. 16° A

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Baptist home of Brooklyn. Annual report. nos. 8-9, 12-13, 16, 20 (1883-84, '87-88, '91, '95). New York, 1883-95. 8°. A

Benevolent Association of the Church of the Holy Trinity. Constitution, 1850. Brooklyn, 1850.

- Proceedings at the anniversary meeting. nos. 2-7, 9 (1852-57, '59). New York, 1851-59.

- It grows, he knoweth not how. A sermon preached . . . on the anniversary of the . . . association by H. J. Whitehouse. New York, 1855.

Brooklyn Association for Improving the Condition of the Poor. Annual report. nos. 4-5, 10-13, 16-18, 20-56 (1847-'48, '53-56, '59-'61, 62/3-'99. Brooklyn, 1848-99. 16° and 8°. A

The directory, year, 10, 13, 16, 18-19 (1853/4.'56/7,'58/9,'60/1-61/2.) Brooklyn, 1853-61. 32°.

- Brooklyn charities record and directory. v. I, no. I-2. (Feb.-Apr., 1878.) Brooklyn, 1878. 4°.

- Report of the special investigator, 1878. Brooklyn, 1878. 8°.

- General agent. Annual report, 1880. Brook*lyn*, 1880. 16 pp. 8°.

Brooklyn Assistant Society for Relieving and Advising Sick and Poor Persons. Constitution. Brooklyn, 1313. 14 pp. 16°.

Brooklyn Benevolent Society. Report of the attorney and counsellor in relation to property of the . . . society. Brooklyn, 1854. 42 pp. 8°. A

Brooklyn Bureau of Charities. Annual report. nos. [2?, 5-10, 12.] 14-20([1880,] 1884-'89, 91, '93-99). New York, 1880-99. 12°.

- Papers read at the Charity conference, under the auspices of the . . . Bureau . . . March 31st [1881]. New York, 1881. 52, 20 pp. 8°.

- [Tracts.] no. 4 (Dec. 1881). [Brooklyn,

Brooklyn Children's Aid Society. Annual report. nos. 1-15, 19, 22-34 (1866/7-79/80, '83/4, '86/7-98/9). *Brooklyn*, 1866-99. 8° & 12°. A No. 1-2 have title, "History of the Brooklyn Children's Aid ociety"; no. 9 imperfect.

 History of the . . . society, from its organization to February 1, 1868. Brooklyn, 1868. 8°.

Incl. 1-2 annual reports.

 By-laws adopted 1882, revised 1887. [Brook*lyn*, 1887?] 12°.

**Brooklyn** City Bible Society. Annual report. nos. 3, 14, 17, 30-34, 45 (1843, '54/5, '57/8, '70/1-74/5, '85/6). *Brooklyn*, 1844-86. 8°. A No. 3 contains also: "Constitution, etc."

Brooklyn City Mission and Tract Society. Annual report. nos. 18-21, 23-24, 26-28, 30-31 (1847-'50, '52-'53, '55-'57, '59/60-60/1). Brooklyn, 1848-61. 8°. 1848-61. 1848 contains also Constitution and the By-laws of the board of directors. Pub. in N. Y.

- City mission and tract journal, Nov. 1866, Nov. '67, May '68, May '70, Nov. '71, Nov. '74. Brooklyn, 1866-74. 4°.

- [Report] At the quarterly meeting Oct. 1851. New York, 1851. 8°.

Brooklyn City Tract Society. See Brooklyn City Mission and Tract Society.

Brooklyn Female Bible Society; auxiliary to the American Bible Society. Report. no. 1 (1826). Brooklyn, 1826. nar. 12°

Brooklyn Female Employment Society. Annual report. nos. 1, 3-4, 8-15, 18-22, 26, 33 (1854/5, '56/7-'57/8, '61/2-'68/9, '71/2-'75/6, '79/80, '86/7). Brooklyn, 1855-87. 8\*. A

**Brooklyn** Guild Association. Annual report. no. 12 (1900/01). [Brooklyn,] 1901. 12°. - [Object and work, with the by-laws.]

[Brooklyn, 1890.] 12 pp. 16°. **Brooklyn** Home for Aged Men. Annual report. nos. 1, 3-5, 7-8, 17-19 (1878/9, '80/1-'82/3, '80/1 Annual re-

84/5-85/6, '95-97). *Brooklyn*, 1879-97. 8°. A Title pages read "Manual." Brooklyn Home for Consumptives. Annual report. nos. 1, 3-6, 10-12, 14, 16-19 (1881/2, '83/4-'86/7, '90/1-'92/3. '94/5, '96/7-99/1900). New York, 1883-1900. 8°. A

Formerly the Garfield Memorial Home.

Brooklyn Industrial Institute. Prospectus. Annual exposition. no. 2 (1873). New York [1873].

Brooklyn Industrial School Association and Home for Destitute Children. Annual report. nos. 8-16, 18, 20, 22-28, 31, 34-46 (1861/2-<sup>6</sup>69/70, <sup>7</sup>71/2, <sup>7</sup>73/4, <sup>7</sup>75/6-<sup>8</sup>1/2, <sup>8</sup>4/5, <sup>8</sup>7/8-1900/01, Brooklyn, 1862-1901. 8°.

 A statement of facts in regard to the [management]. Brooklyn, 1876. 8 pp. 8°.

Brooklyn Methodist Episcopal Church Home 2, 4-5 (1883-'84, '86-'87). New York, 1884-'87. 8°.

**Brooklyn** Orphan Asylum. Brief history and statistics. Brooklyn, 1871. 8 pp. 12°.

Brooklyn Society for the Prevention of Cruelty to Children. Annual report. nos. 1-19 (1881-1899). 12°. A

—— By-laws and articles of incorporation. 1881, 1894, 1900. *Brooklyn* [1881-1900]. 12°. A

**Brooklyn** Society for the Relief of Respectable, Aged, Indigent Females. Annual report. nos. 2, 7-10, 15-16, 18-19, 21-24, 31, 36 (1852, '57-'60, '65-'66, '68-'69, '71-'74, '81, '86). *Brooklyn*, 1859-87. 8°. A

**Brooklyn** Theatre Fire Relief Association. Report of the executive committee. [Brooklyn, 1879.] 8 pp. 8°. A

Brooklyn Training School and Home for Young Girls. Annual report. nos. 9-11 (1898-'99/1900). New York, 1898-1901. 8°. A

— The kirmess festival. [Brooklyn, 1890.]
43 pp. ob. 24°. A
Includes first annual report, 1890.

Catholic Women's Association. Annual circular, season, 1899/1900. [Brooklyn, 1899.] ob. 32°. A

— Employment Bureau. The Pathfinder. Published under the auspices of the . . . Bureau. vol. 1. no. 1-2. Brooklyn, 1899. F°. A

Charity Conference. See Brooklyn Bureau of Charities.

Children's Aid to the Women's Health Protective Association. See Women's Health Protective Association.

**Church** Charity Foundation. Annual report. nos. 4, 6, 8-11, 15, 17, 20, 22-24, 27-29, 32-33, 35-38, 40, 46 (1856, '58, '60-'63, '67, '69, '72, '74-'76, '79-'81, '84-'85, '87-'90, '92, '98). *Brooklyn*, 1856-98. 8°.

— The Church Charity Foundation. [A circular and appeal.] Brooklyn, 1852. 7 pp. 12°. A

— [Description, with certificate of incorporation, by-laws and rules.] Cambridge, 1868. 38 pp.

— [Origin and progress; with constitution and by-laws.] Cambridge, 1868. 38 pp. 8°. A

— An appeal in behalf of the home for the aged and the orphan house. *Brooklyn*, 1885. iv, 5–12 pp. 12°. A

City mission and tract journal. See Brooklyn City Mission and Tract Society. City mission and tract journal.

City Mission and Tract Society, Brooklyn. See Brooklyn City Mission and Tract Society.

Female Employment Society. See Brooklyn Female Employment Society.

Foreign Missionary Society of New York & Brooklyn. Annual report. no. [23,] 37 (1849/50, '63/4). New York, 1850-65. 8°. A

Garfield Memorial Home. See Brooklyn Home for Consumptives.

Grace Church Employment Society, Brooklyn Heights. Annual report. no. 13, 19-22 (1877, '83-'86). Brooklyn, 1877-86. 8°. A

For other reports see church year-book.

Grace Church Parish School Guild. By-laws. Brooklyn, 1882. 2 l. 8°.

Graham Home for Old Ladies. Annual report. no. 49 (1900). Brooklyn, 1900. 8°. A

Home for Aged Men. By-laws and certificate of corporation. New York, 1879. 14 pp. 8°. A

Juvenile House of Industry—"Truant Home"—of the City of Brooklyn. Annual report of the superintendent. no. 6 (1863). Brooklyn, 1864. A no. 5, never published.

**King's** Daughters' Day Nursery. Annual report, no. 1 (1888/9). [*Brooklyn*, 1889.] 16° A

Long Island Bible Society. Annual report. nos. 11, 14-15, 17, 39, 50, 59,-60, 64, 77 (1826, '29-'30, '32, '54, '65, '74-'75, '79, '92). Brooklyn [1826-'92?]. 12°. A

**New York** and Brooklyn Foreign Missionary Society. *See* **Foreign** Missionary Society of New York and Brooklyn.

**Norwegian** Relief Society. Annual report, with certificate of incorporation and by-laws. no. 5 (1887). *Brooklyn*, 1888. 12°. A

Orphan Asylum Society of the City of Brooklyn. Brief history and statistics of the Brooklyn orphan asylum. Brooklyn, 1871. 8 pp. 12°. A

Manual, 1859/60-'60/I, '62/3-'71/2, '73/4, '82/3, '87/88. Brooklyn, 1860-88. 8°. A

— Constitution and by-laws. Brooklyn, 1874.

15 pp. 16°. A

**Pratt** Institute Neighborship Association. Report. nos. 1-2 (1895-'95/6). Brooklyn 1895-'96. A

Pratt Institute Thrift Association. Annual report. no. 8-10. Brooklyn, 1897-'99. 8°. A

—— Circular of information. no. 2. Brooklyn, 1889. 16°.

Saint Ann's Church Benevolent Society. Constitution and by-laws. *Brooklyn*, 1860. 8 pp. nar. 16°. A

Saint Ann's Parish Guild. Annual report. no. 10 (1887/8). Brooklyn [1888]. 12°. A

Saint David's Benevolent Society of New York and Brooklyn. Constitution and by-laws of the society. New York, 1881. 24 pp. 24°. A

—— Annual dinner for 1886. New York, 1886.

Saint Michael's Guild of Grace Church Chapel. Constitution and by-laws, 1873. New York, 1873. 11 pp. 12°. A

Saint Phebe's Mission Guild. Annual report. 20. 3-5, 7 (1884/5-'86/7, '89/90). Brooklyn, 1885-'90. 8. A

Saint Stephen's House. Report, 1873. [Brooklyn,] 1873. 8°. A

Saint Vincent's Home for Boys. Annual report. no. 12 (1880/1). Brooklyn, 1881. 8°. A

Scandinavian Sailors' Temperance Home. Annual report, with the by-laws. no. 3-7, 9-12 (1890/91-'94/5, '97/8-1900/01). Brooklyn, 1891-1901. 8°.

**Sheltering** Arms Nursery of Brooklyn Annual report. no. 4-5, 8-21, 23-28 (1873/4-'74/5, '77/8-'90/91, '92/3-'97/98). *Brooklyn*, 1874-'98. 8°. A

**Society** of St. Vincent de Paul—Diocese of Brooklyn. Reports of conferences from the establishment of the society in the diocese to the feast of the Immaculate Conception, 1860. New York, 1861. 12°.

Union for Christian Work. Annual report. no. 4-29 (1870-'95). Brooklyn, 1870-96. 8° & 12°. A Union Maternal Association. Annual report. nos. I-2 (1861/2-62/3). n. t. p. [Brooklyn, 1862-63.] 8°.

Union Missionary Training Institute, Brooklyn, N. Y., and Hackettstown, N. J. Annual report. no. 8-9 (1893-94). New York, 1893-94. 8°. A

Union Street Mission. Report, 1857. Brooklyn, 1857. 12°.

Wayside Home. Annual report. no. 3-5 (1882/3-84/5). Brooklyn, 1883-85. 12°.

Widows' and Orphans' Fund of the City of Brooklyn. Annual report of the auditing committee of the board of trustees, with an abstract of the treasurer's report, the report of the committee on relief; and a list of the pensioners. 1873. New York, 1874. 12°.

Woman's Evangel, pub. by Woman's Home and Foreign Missionary Society. v. 1, no. 3: v. 2, no. 2-3; v. 4, no. 9 (Sept., 1875, Apr., '76, Nov., '76; May, '78). Brooklyn, 1875-78. 16°, 8°. A

Woman's Foreign Missionary Society of the M. E. Church,—Brooklyn Auxiliary. Annual report. no. 16 (1886). [Brooklyn, 1886.] 24°. A

Voman's Relief Association. Auxiliary to the U. S. Sanitary Commission. Report. [Brooklyn, 1863.] 15 pp., 1 table. 8°.

Young Men's Christian Association. Annual report. no. 1, 6, 11-14, 25-30, 33-39, 41-45

(1853/4, 1859/60. 1864/5-1867/8, '77/8-'82/3, '86-'92, '94-'98/9). *Brooklyn*, 1854[-'99]. 8°. A - Bulletin. vol. 1, no. 12; vol. iv, no. 25 (Oct., 1867; Aug., '81). [Brooklyn, 1867-'81.] F

----- [Reports; and an appeal for a gymnasium.] [Brooklyn, 1860.] 4 pp. F°. A

- Why we should have a new building. [Brooklyn, 1871.] 36 pp. 16°.

- Good books and how to use them, by S. H. Berry. [Brooklyn,] 1889. 96 pp. 24°. - Winter evenings and how to spend them. [Brooklyn, 1889.] 32 pp. 24°.

 What the . . . association does for the physical life, for the business life, for the social life, for the intellectual life, for the better life. [Brooklyn, 1891.] 20 pp., 2 l. sq. 24°.

- Bedford Branch. [Circular.] (1901/02.) [Brooklyn, 1901.] 16°.

- Gymnasium. Grand testimonial gymnastic and athletic exhibition, tendered to J. D. Andrews ... Apr. 8, 1889. [Brooklyn, 1889.] 32 pp. 8°. A

- International Committee, Brooklyn Naval Branch. A growing work. [New York, 1900.] nar. 12°.

Young Women's Christian Association. Annual report. no. 1, 3 (1888, '90). [New York, 1889-91.]

- Commercial department, 1897/8. Brooklyn,

# CHECK LIST OF WORKS IN THE NEW YORK PUBLIC LIBRARY RELATING TO THE HOSPITALS OF BROOKLYN.

The letters A and L following the titles indicate the location, referring to the Astor and Lenox buildings respectively.

**Bedford** Dispensary Association. Annual report. [no. 6] (1886.) [*Brooklyn*, 1886.] 8°. A

Brooklyn Central Dispensary. Annual report. no. 18. (1874.) New York, 1874. 8°. A

Brooklyn City Hospital. See Brooklyn Hospital.

**Brooklyn** Diet Dispensary. Annual report. nos. 1-2, 10, 15, 17, 22-24 (1876-77, '85, '90, 92, 97-99). *New York*, 1877-1900. 12° and 8°. A

**Brooklyn,** Eastern District, Dispensary and Hospital. Annual report. nos. 3-4, 17, 24-25 (1853/4-54/5, '67, '75-'76). New York, 1854-'77. 8°.

Formerly Williamsburgh Dispensary.

**Brooklyn** Eclectic Dispensary. Annual report, 1895. [Brooklyn, 1895.] ob. 24°. A

Brooklyn Eye and Ear Hospital. Annual report. nos. 3-11, 14-32. (Jan. 1872-80, '83-1900.) Brooklyn, 1872-1901. 8°. A

—— Charter and by-laws. Brooklyn, 1878. 10 pp. 12°.

Brooklyn Home for Consumptives. Dramatic entertainment by a volunteer selected corps of Brooklyn amateurs, . . . Mar. 5th, 1886. New York [1886]. 24 pp. sq. 24°.

**Brooklyn** Homeopathic Dispensary. See **Brooklyn** Homeopathic Hospital.

**Brooklyn** Homeopathic Hospital. Annual report. 1869/70, '74, '76-'77, '85,'95. *New York*, 1870-'95. 8°.

Formerly called Brooklyn Homeopathic Dispensary.

— By-laws and regulations. New York, 1871. 24 pp., 1 l. 8°.

Brooklyn Homosopathic Lying-in Asylum. See Brooklyn Maternity Hospital.

Brooklyn Homœopathic Maternity Hospital. See Brooklyn Maternity Hospital.

**Brooklyn** Hospital. Charter, by-laws, regulations, officers. *Brooklyn*, 1847. 24 pp., 1 l. 8°. A

—— Charter, by-laws and regulations. Brooklyn. 1852. 20 pp. 8°. A

— Charter, by-laws and regulations. Also accounts and statistics for 1859. *Brooklyn*, 1860. 38 pp. 8°.

— Report of the Brooklyn hospital, Orthopedic dispensary, Low maternity, and the Training school for nurses for the year, 1848/9, '50-'52, '54, '58, '65, '67-'68, '70, '72, '74, '77, '84, '90, '92, '94-98. Brooklyn, 1849-'99. 8°, 4°.

— Address delivered at the laying of the corner stone, by F. A. Farley, D.D., and S. H. Cox, D.D., June 11, 1851. *Brooklyn*, 1851. 20 pp., I plan. 8°.

— Accounts and statistics for . . . 1856. Brooklyn, 1857. 8°. A

— Ladies' Aid Association. Constitution and by-laws. [Brooklyn, 1874.] 2 l. 12°. A
— Training School for Nurses. Annual report. nos. 1-5, 8-10. (1880/81-'84/85, 87/88-89/90.) Brooklyn, 1882-'90. 8°. A

— Circular letter on behalf of the . . . school . . . [Brooklyn, 1872.] 6 pp. nar. 12°. A

**Brooklyn** Hospital, Saturday and Sunday Collection. See **Hospital** and Sunday Collection, Brooklyn.

**Brooklyn** Maternity Hospital. Annual report of the managers. nos. 1-6, 8, 12, 30. (1870/71-'76, '78, '82, 1900.) *Brooklyn*, 1871 [-1900]. 8°. A.

—— Constitution and by-laws. New York [1871?]. 12 pp. nar. 24°. A

Brooklyn Nursery. See Brooklyn Nursery and Infants' Hospital.

**Brooklyn** Nursery and Infants' Hospital. Annual report. nos. 3-5, 8,17, 19, 24-28. (1873/74-'75/76, '78/79, '87/88, '89/90, '94/95-'99/1900.) *Brooklyn*, 1876-1900. 8°. A

Incorporated as "Flatbush Avenue Industrial School and Nursery," later, name changed to "Brooklyn Nursery," and in 1890, to above.

Flatbush Avenue Industrial School and Nursery. See Brooklyn Nursery and Infants' Hospital.

Hospital Saturday and Sunday Association. Annual Report. nos. 1-18. (1882-98/99.) [New York, 1882-99.] 16°.

—— Annual appeal, no. 8. Brooklyn, 1889. 16°.

House of Saint Giles the Cripple. Annual report, no. 4. (1894/5.) Brooklyn, 1895. 24°. A

— The munificent offer to the House of St. Giles the cripple... and the necessary endowment. Origin, work, wants, and future described... [Brooklyn, 1895.] 20 pp. 24°. A

**Kings County** Lunatic Asylum. Annual report of the resident physician, 1858/9, 59/60, 61/2, 63/4, 64/5, 66/7, 68/9-73/4. *Brooklyn*, 1859-74.

Long Island College Hospital. Annual Announcement, nos. [12, 19,] 21-22, 27-29, 33, 39.

(1870, '77/8, '79/80, '85/6-'87/8, '91/2, '97/8.) Brooklyn, 1869 [-97]. 8°. A

No. 12, called annual circular and catalogue. No. 21-33, called Announcement of the annual season. Some numbers published in New York.

— Report for 1867, 1869, '70. Brooklyn, 1868-71. 8°. A

Report for 1870 printed in New York.

— Charter and by-laws. New York, 1858. 32 pp. 8°.

---- [Same.] Brooklyn, 1870. 13, 3-19 pp. A

Guild Report, Nov., 1898. Brooklyn [1899]. sq. 12°. A

Contains By-laws, lists of officers and members.

Long Island State Hospital. Annual report, no. 1-2. (1896-98.) Albany, 1897-99. 8°. A

Memorial Hospital for Women and Children. Memorial hospital tablet. vol. 1. no. 5. vol. 2. no. 1. (Aug. '97, Apr. '98.) Brooklyn, 1897-98. 8°

—— Annual report of the... hospital, the memorial training school for nurses, and the memorial dispensary. [1895.] Brooklyn, 1895. 8°. A

**Methodist** Episcopal Hospital. Annual report. nos. 1-3, 5-11. 1887/88-'89/90, 91/2-'97/8. [*Brooklyn*, 1888-98.] 8°. A

General instructions for the guidance of architects in preparing designs for the . . . hospital. [Brooklyn,] 1881. 7 pp. 8°. A

Training School for Nurses. Manual. [Brooklyn, 1880?] 12 pp. nar. 24°. A

Saint Catherine's Hospital. Annual report.

no. 25. 1895. New York, 1896. 8°. A

In charge of the Sisters of St. Dominic.

Saint John's Hospital. The Heart's Ease. vol. 6. no. 1. (Jan. 1889.) Brooklyn, 1889. 4°.

Sisters of St. Dominic. See Saint Catherine's Hospital.

Williamsburgh Dispensary. See Brooklyn, Eastern District, Dispensary and Hospital.

Woman's Dispensary and Hospital of the City of Brooklyn. Annual report. no. 1. (1881/2.) Brooklyn, 1883. 8°. A

## PRINCIPAL ACCESSIONS IN JANUARY.

DICTIONARIES, ENCYCLOPÆDIAS, ETC.

Allgemeines Künstler-lexicon. Frankfurt a. M., 1895-1901. 5 v. 8°.

Brockhaus (F. A.) Brockhaus' Konversations-Lexikon. Bd. 5. Leipsig, 1901. 14. ed. 4°.

Encyclopædia medica. v. 9. Edinburgh, 1901. 4°.

Pauly (A. F. VON). Pauly's Real-Encyclopädie der classischen Altertumswissenschaft. Bd. 4. Stuttgart, 1901. 8°.

#### BIOGRAPHY-GENEALOGY, ETC.

Armstrong (Sir W.) Sir Joshua Reynolds. London, 1900. f°.

**Bell** (M.) Rembrandt van Rijn. *London*, 1901. 8°. (Great masters in painting and sculpture.)

Belloc (H.) Robespierre, a study. New York, 1901. 8°.

**Bertin** (G.) Madame de Lamballe. *New York*, 1901. 8°.

Bismarck-[Schoenhausen] (O. E. L. VON), Fürst. Gedanken und Erinnerungen, Anhang. v. 1-2. Stuttgart, 1901. 8°.

**Boardman** (S. L.) Peter Edes: pioneer printer in Maine. *Bangor*, 1901. sq. 8°. (The De Burians.)
Gift of the author.

Creighton (M.), D.D. Memoir of Sir George Grey. London, 1901. 8°.

Ellicott (J. M.) The life of John Ancrum Winslow, rear-admiral, United States Navy. New York, 1902. 8°. (Proudfit Collection.)

Ellis (C. H.) Genealogical record: the Bradfords, Fullers, and Ellises. Fort Fairfield, Me., 1000. 8°.

Fawcett (Mrs. M. G.) Life of Sir William Molesworth. London, 1901. 8°.

Groser (H. G.) Lord Kitchener. The story of his life. London, 1901. 12°.

Heuberger (R.) Franz Schubert. Berlin, 1902. 4°. (Beruehmte Musiker Lebens-und Charakter bilder. Bd. 14.)

**Kingsford** (C. L.) Henry V., the typical mediæval hero. *New York*, 1901. 12°. (Heroes of the nations.)

Lennox (S.), lady, afterwards Mrs. Napier. The life and letters of Lady Sarah Lennox, 1745-1826. London, 1901. 8°.

**O'Brien** (R. B.) The life of Lord Russell of Killowen. *London*, 1901. 8°.

Reibnits (P. von), Freiherr. Geschichte der Herren und Freiherren v. Reibnitz. Berlin, 1901.

Sanborn (F. B.) The personality of Thoreau. Boston, 1901. 4°.

Smith (C. F.) Mary Rich, Countess of Warwick (1625–1678): her family and friends. *London*, 1901. 8°.

Trotter (L. J.) A leader of light horse. Life of Hodson of Hodson's horse. Edinburgh, 1901.

Weishach (W.) Francesco Pesellino. Berlin, 1901. f°.

North and South America. History—Description, etc.

**Bingham** (H.), *jr*. Five straws gathered from Revolutionary fields. *Cambridge*, Mass., 1901. sq. a°

Blake (E. V.) History of the Tammany Society or Columbian Order. New York, 1901. 4°.

Calwer (R.) Die Meistbegünstigung der Vereinigten Staaten. Berlin, 1902. 8°.

**Ficklen** (J. R.) History and civil government of Lousiana. *Chicago*, 1901. 12°. (State government series, v. 8.)

**Green** (S. A.) Ten facsimile reproductions relating to Old Boston and neighborhood. *Boston*, 1901. f°.

Hart (A. B.) The foundations of American foreign policy with a working bibliography. *New York*, 1901. 12°.

**Keane** (A. H.) Central and South America. v. 2. London, 1901. 8°. (Stanford's compendium of geography and travel. New issue.)

Morris (J. K.) Morris's memorial history of Staten Island. 2 v. New York, 1900. 4°.

Mowry (W. A.), and Mowry (A. M.) A history of the United States for schools. New York, 1901. 8°.

Otis (J.) The story of old Falmouth. New York, 1901. 12°. (Pioneer towns of America.)

Quay (M. S.) Pennsylvania politics. Speeches. Philadelphia, 1901. 8°.

**Sowell** (A. J.) Early settlers and Indian fighters of Southwest Texas. Austin, Texas, 1900. 4°.

Townsend (J. D.) New York in bondage. New York, 1901. 8°.

Tweedie (Mrs. E. B. H.) Mexico as I saw it. London, 1901. 8°.

Whitbeck (R. H.) New York. New York, 1901. 12°. (Tarr and McMurry geographies, suppl. vol.)

# EUROPE. DESCRIPTION—HISTORY (SOCIAL AND POLITICAL).

Bartens (A.) Die wirtschaftliche Entwicklung des Königreichs Würtemberg. Frankfurt a. M., 1901. 8°.

**Dawson** (W. H.) German life in town and country. *New York*, 1901. 12°. (Our European neighbors.)

Edwards (O.M.) Wales. New York, 1902. 8°. (The story of the nations.)

Ianora (M.) Memorie storiche, critiche e diplomatiche della Città di Montepeloso (Oggi Irsina). Matera, 1901. 8°.

Lansdale (M. H.) Scotland historic and romantic. *Philadelphia*, 1902. 2 v. 8°.

Mackinder (H. J.) Britain and the British seas. New York, 1902. 8°.

(Appletons' world series.)

**Melli** (B.) La Colonia Eritrea. *Parma*, 1900. 2. ed. 8°.

**Middleton** (E.) The doomed Turk; the end of the "Eastern question." Ten essays. *New York*, 1900. 8°.

Gift of R. R. Bowker.

Story (A. T.) Swiss life in town and country. New York, 1902. 12°.

(Our European neighbours.)

Victoria (The) history of the counties of England. Cumberland. v. I. Westminster, 1901. f.

**Visitation** of England and Wales. v. 9. n. p., 1901. 4°.

Zedlits und Neukirch (O. VON), Freiherr. Dreissig Jahre preussischer Finanz- und Steuerpolitik. Berlin, 1901. 8°.

#### RUSSIA, KOREA, ETC.

Тринчению (Б. Д.) Летература Украинскаго Фольклора. 1777-1900. Chernigov, 1901.

(Literature of the Folklore of the Ukraina.)

Encyklopedja Powszechna (Polish Encyclopædia publ. by S. Orgelbrand). Vols. IX.-X. Warsaw, 1901.

**LICTOPHYCOCCO** Обозр**ъніс.** Сборных язд. подъ ред. Н. И. Карвева. Vov. X. St. Petersburg, 1899.

(Historical Review, edited by N. Karyeyev.)

ELOBOS ДЪло, (new weekly, continuation of "Недвия")

35 IIBOON'S PYCOKOTO ETAPOAO, для одного голоса, собраны С. Ляпуновым'в в Ө. Истоминым'в, переложиль С. Ляпуновъ. St. Petersburg: Imp. Russian Geographical Society, 1901.

35 ПЪССИЪ РУССКАГО БІАРОДА ДЛЯ ОДНОГО ГОЛОСА, СОБРАНЫ И. НОКРАСОВЫМЪ В О. ИСТОМИНЫМЪ, ПЕРЕЛОЖИЛЪ А. ЛЯДОВЪ. St. Petersburg: Imp. Russian Geographical Society, 1001.

50 РУССКИХЪ ЕТАРОДИВІХЪ ITCOMЪ ДЛЯ УПОТРЕСЛЕНІЯ ВЪ УЧЕСНЫХЪ Ваведеніяхъ, передожены А. Петровымъ. St. Petersburg: Imp. Russian Geographical Society, 1901.

50 II военъ Русскаго II арода для мужекаго кора, собраны И. Некрасовымъ н Ө. Истоминымъ, положено на голоса И. Некрасовымъ. St. Petersburg: Imp. Russian Geographical Society, 1901.

Russian folk-songs, four parts, published by the Imp. Russian Geographical Society.

## Africa—Asia, and the Pacific Islands.

#### DESCRIPTION-HISTORY.

**Belck** (W.) Beiträge zur alten Geographie und Geschichte Vorderasiens. Heft I. *Leipzig*, 1901.

Gray (J. A.) At the court of the Amir. London, 1901. 12°.

Hawkins (H. G.) Twenty months in Japan.

Nashville, 1901. 12°.

Gift of R. R. Bowker.

Hesse-Wartegg (E. von). Samoa, Bismarckarchipel und Neuguinea. Leipsig, 1902. 4°.

Sastrón (M.) La Insurrección en Filipinas y guerra hispano-americana en el archipiélago. *Madrid*, 1901. 4°.

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Gift of R. R. Bowker.

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Jenser (Die) Liederhandschrift. Leipzig, 1901. 2 v. f°.

Junior praises, edited by J. M. Black. Cincinnati, 1901. 8°.
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Unseld (B. C.) Illustrative lessons, being the teacher's guide to the choral standard. *Cincinnati*, 1901. 12°.

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Whiting (C. E.) Public school music course.

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#### PHILOLOGY.

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NEW YORK 1902

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## BULLETIN

OF THE

## NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

Vol. VI. March, 1902. No. 3.

#### REPORT FOR FEBRUARY.

#### REFERENCE DEPARTMENT.

During the month of February there were received at the Library, by purchase, 1,091 volumes and 486 pamphlets; by gift, 823 volumes and 2,242 pamphlets; and by exchange, 245 volumes and 5,697 pamphlets.

There were catalogued 3,142 volumes and 2,760 pamphlets, for which purpose 7,960 cards and 1,512 slips were written for the printer, and 3,034 slips were written for and 14,569 cards were received from the copying machine.

The following table shows the number of readers, and the number of volumes consulted, in both the Astor and Lenox Branches of the Library, also the number of visitors to the Print Department at the Lenox, during the month:

	LENOX.	Astor.
No. of readers and visitors	4,330	9,629
No. of readers	2,581	9,629
No. of readers, desk applicants	1,158	8,851
No. volumes consulted by applicants	6,222	29,335
Daily average of readers	107	401
Number of visitors to Print Exhibit, etc	2,560	

#### CIRCULATION DEPARTMENT.

The most popular books of the month were (in non-fiction): Riis's "Making of an American," Thompson-Seton's "Lives of the Hunted," and Evans's "A Sailor's Log"; (adult fiction) Parker's "Right of Way," Bacheller's "D'ri and I," and Cable's "Cavalier"; (juvenile fiction) Lang's "Violet Fairy Book," Alcott's "Little Women," and Barbour's "Captain of the Crew."

## CIRCULATION STATISTICS.

BRANCHES.	CIRCUL	ATION.	NEW	READERS II	VOLUMES	
	HOME USE.	TOTAL.	REGISTRA- TIONS.	MINORS.	TOTAL.	ACCES- SIONED.
Bond Street	10,659	11,276	189	1,330	4,490	108
Ottendorfer	17,304	18,493	273	2,109	4,408	102
George Bruce	12,098	14,510	196	1,731	2,412	80
Jackson Square	11,631	12,680	141	738	2,717	103
Harlem	11,596	12,845	258	1,406	2,327	107
Muhlenberg	9,424	11,547	149	1,009	2, 123	83
Bloomingdale	15,612	17,060	208	1,654	2,884	77
Riverside	5,662	6,663	62	1,363	2,491	47
Yorkville	15,760	16,645	255	488	885	127
Thirty-fourth Street	5,421	7,644	129	1,560	2,223	80
Chatham Square	15,831	16,904	303	959	1,073	59
St. Agnes	12,148	13,762	164	942	2,715	204
Washington Heights	8,672	9,905	159	2,878	4,575	128
Travelling	18,422	18,422	0	٠, ٥	0	578
	170,240	188, 356	2,486	18, 167	35,323	1,883

The more important gifts of the month were: From S. P. Avery, 13 volumes, 1 pamphlet, 19 prints, and 4 portfolios of "Original Drawings by Rembrandt van Rijn," phototype, one of 150 copies, edited by F. Lippman; from the Statistical Bureau of the Principality of Bulgaria, 16 volumes of Statistics; from Edwin Emerson, Jr., a copy of his recently-published "History of the 19th Century, Year by Year," 3 volumes; from the Estate of Charles H. Hoyt, a typewritten copy of the "Dramatic Works of Charles H. Hoyt," presented to the Library in conformity with his last will, 3 volumes, being one of 5 copies; from William O. McDowell, the stereotype plate of an article in the New York Herald, entitled "Mr. Carnegie's \$5,200,000 Gift and New York's Library Problem;" from the Governor-General of Madagascar, 18 volumes and 3 pamphlets, Documents of the Colony; from the Manila Observatory, 10 volumes and 5 pamphlets; from the Minnesota Railroad and Warehouse Commission, 10 volumes of Reports; from the Minnesota State Horticultural Society, 24 volumes of Transactions and Annual Reports; from Herbert L. Osgood, a copy of his "Report on the Archives and Public Records of the State of New York and of New York City," 1901; from Ranieri Vilanova, "Vespéral noté à l'usage de Paris;" from Rev. E. W. Warren, 5 MS. essays (the original printer's copy, still showing the marks of the compositor's "takes," mounted in a scrap-book, quarto size) of Samuel Warren, Q. C., author of "Ten Thousand a Year," the essays being entitled "An Old Contributor at the Seaside," "Sabbath Morning," "Continental Tour, Autumn, 1869," "Worthing Wonders," and "The Commune at Cherbourg;" and from B. F. Watson a copy of his volume concerning the history of the "Old Sixth," Massachusetts, 1901.

# CHECK LIST OF WORKS IN THE NEW YORK PUBLIC LIBRARY RELATING TO THE HISTORY OF BROOKLYN, AND OF OTHER PLACES ON LONG ISLAND NOW INCLUDED IN THE CITY OF NEW YORK.

The letters A and L following the titles indicate the location, referring to the Astor and Lenox Buildings respectively.

#### BROOKLYN.

#### General History.

Furman (Gabriel). Notes geographical and historical, relating to the town of Brooklyn... Brooklyn: A. Spooner, 1824. 114 pp., 2 l. 12°. L

--- Notes, geographical and historical, relating to the town of Brooklyn, on Long Island, with notes, and a memoir of the author. *Brooklyn:* [E. B. Spooner & Son,] 1865. xxxiv, (6) 5-116, (4) xxxix pp. 4°. A L

Bailey (J. T.) An historical sketch of the city of Brooklyn and the surrounding neighborhood, including the village of Williamsburgh and the towns of Bushwick, Flatbush, Flatlands, New Utrecht and Gravesend. To which is added, an interesting account of the battle of Long Island. Brooklyn, 1840.

12°. A L

Stiles (H. R.) History of the city of Brooklyn; including the old town and village of Brooklyn, the town of Bushwick, and the village and city of Williamsburgh. *Brooklyn*, 1867-70. 3 v. 8°. A L

--- 1867-69. 3 v. 4°. Extra-illustrated.

Field (Thomas Warren). Historic and antiquarian scenes in Brooklyn and its vicinity. Brooklyn, 1868. iv, 2 ll., 96 pp., 1 map, 11 pl. 4°. L

City of Brooklyn. Historical, statistical and descriptive... The past and present commercial, industrial and political standing of the city... Rise and present status of its principal business firms, professions, and manufacturers. [New York: Historical Publishing Co., 1881.] n.t.p. 33-256 pp. 8°.

Historical (An) and descriptive review of the City of Brooklyn and her manufacturing and mercantile industries, including many sketches of leading public and private citizens. R. Edwards, editor and proprietor. Pt. I. New York: Hist. Publ. Co., 1883. vi, 33-256 pp. 8°. L

Stiles (H. R.) The civil, political, professional and ecclesiastical history, and commercial and industrial record of the county of Kings and the city of Brooklyn, N. Y., 1683-1884. New York [1884]. 2 v. F°.

Eagle (The) and Brooklyn: the record of the progress of the Brooklyn Daily Eagle; issued in commemoration of its semi-centennial and occupancy of its new building: together with the history of the city of Brooklyn from its settlement to its

present time. Edited by Henry W. B. Howard assisted by Arthur N. Jervis. *Brooklyn: The Daily Eagle*, 1893. 2 v. F°. A L

Ostrander (Stephen M.) A history of the city of Brooklyn and Kings county. Edited with notes by Alexander Black. *Brooklyn*, 1894. 2 v., pl., port., maps. 8°.

Putnam (Harrington). Brooklyn the town on freedom's battle-field. (In: Historic towns of the Middle States. Edited by Lyman P.Powell. New York, 1899. 213-249 pp. 8°.)

#### History-Miscellany.

Long Island publications; no. 1: The battle of Brooklyn; a farce in 2 acts. [New York, 1776.] Reprinted. Brooklyn, 1873. 8°. A L

Brooklyn (The) Opera House: a glance at "A plea for the Brooklyn Academy of Music." [Brooklyn, 1855?] 12°. A Signed "A citizen of Brooklyn"; possibly Albert Woodruff.

Signed "A citizen of Brooklyn"; possibly Albert Woodruff.

Brooklyn City Guard, Company G, 13th Regiment. Constitution and by-laws. New York, 1863.

32°. A.

**History** of the Brooklyn and Long Island fair, Feb. 22, 1864. *Brooklyn*, 1864. 8°. A

Dewitt (William C.) Opinions of W. C. D., corporation counsel. [Jan., 1869-Dec., 1881.] [Brooklyn, 1881.] 151 pp. pap. 8°.

**Dikeman** (J.) The Brooklyn compendium, showing the opening, closing, and alterations in the lines of the various streets, avenues, etc., from 1819 down... with important data relative to grants of land under water, ferry rights, etc. Brooklyn, 1870. 8°.

Brooklyn Daily Eagle. What the "Eagle" thinks of the governor and the Brooklyn "gang." [Brooklyn? 188-?] n. t. p. 8 pp. 24°. L

**Proofs** of frauds committed at the primary election held in the twenty-third ward of Brooklyn, October 20, 1880. [Brooklyn, 1880.] I p. l., 12

Low (Seth). "Brooklyn first, last and all the time." Speech of Mayor Low, at Masonic Temple . . . Oct. 16, 1883. [Brooklyn, 1883.] 8 pp. 8°. L

Brooklyn Young Republican Club. Statement concerning the Little Rock and Ft. Smith R.R. transactions. n. t. p. Brooklyn, 1884. 12°. A

— First Ward Branch. Points for hesitating

Republicans. Brooklyn [1884]. 8°. (Tract no. 5.)

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Brooklyn Citizens' League. Report of the
campaign and executive committees. (1884.) New
 York, 1884. 16°.
      Brooklyn. Mayor. The future of Brooklyn.
 The city's promised growth and increase, with com-
ments on the building statistics for the year 1888.
Message of the Hon. A. C. Chapin, mayor, Dec.
13, 1888. Brooklyn, 1888. 30 pp.
      Amateur Opera Association of Brooklyn. In
aid of the Beecher monument fund.
                                                                                                             Opera of
 "Maritana"... New York, 1887. 12 pp. 4°.
     Brooklyn Real Estate Exchange and Auction
Room. By-laws. New York, 1889. 8°.
      Industries and wealth of Brooklyn. 1890. Il-
lustrated. New York: Am. Pubg. & Engraving Co., 1890. vii, 33-198 pp. 4°. L
     League of loyal citizens. Against consolidation.
[Pamphlets] 1-3. Brooklyn [1894].
    no. 1. An argument for greater Brooklyn, no. 2. Backus (T. J.) An address. no. 3. Redfield (W. C.) Taxes and tenement.
                    Periodicals and society publications.
      Brooklyn Daily Eagle Almanac. 1886-1902.
 Brooklyn, 1886-1902. 8°.
                     1901. Brooklyn, 1901. 8°.
Brooklyn Eagle Library. nos. 1-2, 4-30, 32, 32A-61. Brooklyn, 1894-1902. F°. A
32A-OI. Brooklyn, 1894-1902. P. A
no. 1. The constitution of the state of New York.
1894.
no. 2. Candidates for election... Brooklyn... Nov., 1894.
no. 4. A politucal handbook... The new ballot, 1895.
no. 5. Meeting of... American Board of Foreign Missions.
no. 6. Candidates for election... Brooklyn... Nov., 1896.
no. 7. The Raines excise law and the greater New York bill.
no. 8. The purple rim, and other stories.
no. 9. The presidential candidates and platforms.
no. 10. Preliminary draft of the proposed charter for the
Greater New York.
no. 11. Golden jubilee of the Rev. R. S. Storrs.
no. 12. The proposed charter for the Greater New York.
3. ed. 1897.
3. ed.

no. 13. Charter for the Greater New York and . . . acts supplementary . . . as submitted to the . . . Legislature.

no. 14. Amendments to the Raines excise law.

no. 15. New election districts of Brooklyn.

no. 16. Charter for the Greater New York . . . adopted.

no. 17. Dr. Abbott's lectures on the Bible.

no. 18. Questions and answers.

no. 19. The Charter of the City of New York.

no. 20. The Bible. Discourses by Dr. Behrends and Mul's letters.
   no. 21. The voter's guide.
no. 22. Consolidation of New York city.
1898.
no. 23. New primary law... and the new civil service rules.
no. 24. Questions and answers.
no. 25. Life with the Cubans; by J. Antomarchi.
no. 26. War revenue bill.
no. 27. Charter of the City of New York... with Amendments.
July, 1898.
no. 28. The bankruptcy law and election law.
no. 29. New York state canal frauds.
no. 30. Political campaign of 1898.
no. 32. Civil service law of New York state.
1899.
no. 32. Civil service law of New York state.
1890.
1890.
     no. 32. Civil service law of New York state. 1899.
no. 32A. Peace no. A complete review of the Spanish-Ameri-
    an war.

no. 33. Municipal ownership and the war on wealth,
no. 34. Spoopendyke sketches; by S. Huntley,
no. 35. Charter of the City of New York . . . with Amend-
nents. Aug., 1809.

no. 36. Primary and . . . election laws.
no. 37. Building code of New York city,
no. 38. The Malone memorial.

1900.
no. 39. Brooklyn church semi-centennials.
no. 40. Last half century of Suffolk County,
no. 41. Workers for the trusts; by C. M. Skinner,
no. 42. The charter of . . New York . . with amendments,
no. 43. The [new] building code of New York city,
no. 44. The primary and . . election laws as amended,
no. 45. The sanitary code.
 can war.
                     The sanitary code.
Questions and answers.
      no. 47. Educational institutions.
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no. 48. Political campaign of 1900.
no. 49. Proposed charter of . New York.
no. 50. American communes.
no. 51. Christian science claims unscientific; by W. H.
Muldoon.
 tuldoon.
no. 52. Studies in American character.
no. 53. Tenement house law.
no. 54. The charter of . . . New York adopted.
no. 55. Guide to the Pan-American Exposition.
no. 56. Summer resort guide,
no. 57. The American soldier; by C. M. Skinner.
no. 58. Directory of educational institutions.
no. 59. The McKinley memorial.
no. 60. Public officials in New York state, city and Kings-
Jounty.
County
  no. 6r. Prisons of the nation . . . by C. M. Skinner.
  New England Society in the City of Brooklyn.
Proceedings at annual meetings, 1-17.
                                                        [New
York, 1881-97. 8°.
[New York,] 181-1890. 8°. 1881-2, '84, '87-90).
       - Constitution and by-laws. Brooklyn, 1847.
10 pp. 16°.
                 Brooklyn, 1848. 23 pp. nar. 16°. A
          An address by James Humphrey, delivered
before the New England Society of the City of
Brooklyn, N. Y., December, 1848, on the anni-
versary of the landing of the pilgrims at Plymouth.
New York: the Society, 1849. 40 pp. 8°.
        An address delivered before the . . . society,
December 21, 1849. By N. Cleaveland.
                            8°.
York, 1850. 37 pp.
                                                          1880,
  Society of Old Brooklynites. By-laws.
1887. Brooklyn, 1881, '88. 24°, 8°.
Proceedings of the society... in relation
to the Bartholdi statue of "Liberty enlightening
the world." Address to the French delegation on
that subject, and report of the committee thereon.
Nov. 4, 1886. Brooklyn, 1886. 8 pp. 8°.
        - A Christmas reminder, being the names of
about 8,000 persons, a small portion of the number,
confined on board the British prison ships during
the war of the Revolution. Browklyn, 1888. pm.
8°.
        An appeal to the Congress of the U.S. for
the erection of a monument over the remains of
11,500 prisoners who died on board the British
prison-ships during the Revolutionary War. Brook-
lyn, 1890. 8°.
```

#### Documents .- Serials.

#### Brooklyn.—Board of City Canvassers.

#### [Proceedings.]

#### 1863.

Report of the special committee of the Board of Canvassers [to whom was referred the returns of the General Election, Nov. 3, 1863, for city officers].

n. t. p. 8°. A

## In: Proc, Common Council, 1863, v. 4.

#### 1864

Minutes of the adjourned session, Dec. 6, 1864. \*\*. t. p. 247 pp. 8°. A

\*\*Idem, 1864, v. 4.

1865.
Lacking.
1866.
Lacking.
1867.

#### 1868.

Report. [Election, Tuesday, Nov. 3, 1868.] 11. 12. 15. (7), 99-337 pp. 8°. A

1368, v. 2.

1869.

Lacking.

1870.

Report of 1.-4. meetings, Nov., 1870. n. t. p. 101 pp. 8°. A

#### 1871.

Report of board of canvassers... Election. Tuesday, Nov. 7, 1871. [And proc. of special committee of board...1871.] n. t. p. 408 pp. 8°.

Idem, 1871, v. 2.

1872.

Proceedings. Election. Tuesday, Nov. 5, 1872. \*\*s. p., n. d. (13), [199-]288 (2) pp. 8°. A

\*\*Idam, 1872, v. 2.

Lacking.

1873.

---oung.

1874.

Lacking.

1875.

Lacking.

1876.

Lacking.

1877.

Proceedings . . . Election. Tuesday, Nov. 6, 1877. n. p., n. d. [925-]996 pp. 8°. A In: Common Council Docs., 1877, no. 43.

#### 1878.

#### 1879.

Proceedings . . . Election. Tuesday, Nov. 2, 1880. n. p., n. d. [1163-]1246 pp. 8°. A

1881.

Lacking.

1882.

Proceedings . . . Election. Tuesday, Nov. 7, 1882. n. p., n. d. [1095-]1207 pp. 8°. A Idem, 1882, no. 40.

1888.

Proceedings . . . Election. Tuesday, Nov. 6, 1883. n. p., n. d. 155 pp. pap. 8°. A

- Board of Commissioners of City Works.

#### [Annual Report.]

#### 1872.

Annual report of the Board of Commissioners of City Works for the year [ending Dec. 31] 1872. Brooklyn: Eagle Print, 1873. 82 pp. pls. cl. 8°.

--- Same. (In: Proc. Common Council, 1873, v. 1.)

1878.

Annual report, etc. New York: Collins & Sesnon, 1874. 87 pp. pls. cl. 8°. A

#### 1874.

Annual report, etc. Brooklyn: Eagle Print, 1875. 117 pp. maps. pap. 8°. A. Same. (In: Proc. Common Council, 1875, v. I.)

Lacking.

1876.

Annual report, etc. n. t. p. 283-396 pp. 8°. A In: Proc. Common Council, 1877, no. 22.

#### 1877.

Annual report, etc. n. p., n. d. [537-]673 pp. 8°. A

1878.

Annual report, etc. n. p., n. d. 154 pp. pap. 8°. A

—— Same. n. t. p. [287–]540 pp. 8°. A

Idem, 1879, no. 26.

Annual report, etc. n. p., n. d. 124 pp. pap. 8°. A

—— Same. n. p., n. d. [464-]588 pp. 8°. A

Idem, 1880, no. 22.

Annual report, etc. s. p., n. d. 192, iv pp. pap. 8°.

Annual report, etc. n. p., n. d. [365-]548 pp. 8°. A Idem, 1882, no. 22.

1882.

Annual report, etc. n. p., n. d, 193, iv pp. pap. 8°.

1883.

Lacking.

1884.

Annual report, etc. n. p., n. d. 158, iv pp. pap. 8°.

1885-1893.

Lacking.

1894.

Annual report, etc. *n. p.*, n. d. 283 pp. tbls. cl. 8°. A

Annual report, etc. n. p., n. d. 580 pp. pls. maps in text, and 2 maps in pockets. cl. 8°. A

— Electrical Subways Commissions. Second report of the board of commissioners, April 3, 1886.

Brooklyn: Eagle... Prig. Dept., 1886. 9 pp. pap. 8°.

— Report of the board of commissioners, Dec. 31, 1892. Brooklyn, 1893. 16 pp. pap. 8°.

— Police Department. [Quarterly] report of the chief of police. June, 1852. n. p. 4 pp. 8°.

— Majority and minority reports of the committee on the subject of the Metropolitan Police. Brooklyn: L. Darbee & Son, printers, 1858. 26 pp.

--- Police and Excise Department.

## Annual Reports. 1873.

Fourth annual report of the Department of Police and Excise... for the year ending Dec. 31, 1873. New York: Collins & Sesnon, 1874. 68 pp. pap.

#### 1874.

Annual report [5], etc. Brooklyn: Daily Union
... Prig. Establishment, 1875. 68 pp. pap. 8°. A
—— Same. n. p., n. d. 85 pp. 8°.
In: Proc. Common Council, 1875. v. 1.

#### 1875.

Annual report [6], etc. Brooklyn: Eagle Print, 1876. 53 pp. pap. 8°.

#### 1876.

Annual report [7], etc. Brooklyn: For the commissioners, 1877. 126 (1) pp. pap. 8°. A —— Same. n. p., n. d. 143-281 pp. 8°. A In: Common Council Docs., 1877. no. 15.

#### 1877.

Annual report [8], etc. \*\*. \*p., n. d. [437-]534 pp. 8°. \_\_\_\_ A

In: Common Council Docs., 1878. no. 19.

#### 1878.

Annual report [9], etc. n. p., n. d. [277-]372 (1) pp. 8°. A (Common Council Docs., 1879. no. 22.)

#### 1879.

Annual report [10], etc. Brooklyn: For the commissioners, 1880. 110 pp. pap. 8°. A

—— Same. [589–]698 pp. 8°. A

In: Common Council Docs., 1880. no. 23.

#### 1880.

Annual report [11], etc. Brooklyn, 1881. 128 pp. pap. 8°. A

#### 1881.

Annual report [12], etc. *Brooklyn*, 1882. [597–] 712 pp. 8°. A

In: Common Council Docs., 1882. no. 28.

1882.

Lacking.

1883.

Lacking.

1884.

Annual report [15], etc. Brooklyn, 1885. 66 pp. pap. 8°.

1885.

Lacking.

1886.

Annual report [17], etc. Brooklyn, 1888. 171 pp. pap. 8°. A

1887.

Lacking.

1888.

Lacking.

1889.

Annual report [20], etc. Brooklyn, 1890. 90 pp. cloth. 8°.

1890,

Annual report [21], etc. Brooklyn, 1890. 99 pp. cloth. 8°. A

1891.

Lacking.

1892.

Annual report [23], etc. *Brooklyn*, 1893. 115 pp. pap. 8°.

#### ---- Police Justices.

#### Annual Report. 1883.

Annual report... for 1883. [Brooklyn, 1883.] 30 pp. pap. 8°. A

Annual report... for 1884. [Brooklyn, 1884.] 28 pp. pap. 8°. A

#### Documents-Miscellaneous.

Brooklyn.—Gas and Lamps Committee. Report of the joint committee on gas and lamps, concerning the contracts of the city of Brooklyn with the Brooklyn Gas Light Co., and accompanying documents. Brooklyn: E. B. Spooner, prtr., 1851. 18 pp. 8°. A

— Street Commissioner's Office. Report of the commissioner to the common council, on public improvements in the city of Brooklyn, from 1851–55. Brooklyn: Van Anden, 1855. 37 pp. 8°. A

— Railroad Committee. Reports of the majority and minority . . . on the subject of steam on Atlantic Avenue. Brooklyn, 1857. 8°. A

New York State.—Statutes. Laws relating to the city of Brooklyn. An act in relation to assessments for local improvements in the City of Brooklyn. Passed March 19, 1858. Brooklyn. 1858. 8°.

Kings County.—Laws Committee. The registry laws and maps of district divisions, existing Oct. 1, 1869. Showing the several election districts as arranged to that date. Brooklyn, 1869. 8°. A

Brooklyn.—Ordinances. Extracts from ordinances of the city of Brooklyn in relation to obstructions on streets... Brooklyn: Rome Bros., prtrs., 1872. 18 pp. cl. 24°. A

— Common Council. City railroads and gas companies. Resolutions, etc., of the common council of the city of Brooklyn, and laws of the state of New York, granting franchises to railroad and gas companies of said city, and also agreements with and bonds of said companies. Compiled by the city clerk, and printed by order of the common council. n. l. p. pp. 433-542. 8°.

— Investigation in relation to the charges preferred by Francis Swift against John W. Flaherty, as a commissioner of city works, by a special committee of the board of aldermen, 1878. n. p., n.:d. pp. [261-]432. 8°. A.

n. d. pp. [261-]432. 8°. Common Council Docs., 1878, no. 17.

— — — City railroads and gas companies. Resolutions, etc., of the common council . . . and laws of the state of New York, granting franchises to railroad and gas companies . . . n. t. p. [Brook-lyn, 1878.] 433-545 pp. 8°. (Doc. 24.) A

— — Same. Separate. II5 pp. 8°. A

- Rapid Transit Commission. Report of the board of commissioners in the matter of steam railways in the city of Brooklyn, and routes for the same. n. p., n. d. pp. [813-]821. 8°. Common Council Docs. 1878, no. 27.

- Report and resolutions adopted by the commissioners, June 19, 1878. n. p., n. d. [877-]889. 8°.

Docs. addressed to Common Council, 1878. no. 32.

- Common Council. Report of the commissioners appointed to report plan for consolidation of New Lots, Flatbush, Flatlands, New Utrecht and Gravesend, under one municipal government. n. t. p. pp. [189–]198. 8°.

In: Brooklyn Common Council Docs. 1879, no. 15.

Rapid Transit Commission. Minutes and proceedings of the commissioners of rapid transit, Feb., 1881. New York: Evening Post Prig. Office, 1881. v, xxvi, 194 pp. 8°.

— Board of City Canvassers of Election. Proceedings. Election, November 8, 1881. (Document No. 41.) [Brooklyn, 1881.] 8°.

Ordinances. Ordinances of the city of Brooklyn in relation to licenses... Brooklyn, 1881. 11., 31 pp. pap. 8°.

- Ordinances of the city of Brooklyn in relation to licenses. Compiled April 5, 1882. Brooklyn, 1882. pp. [567-]590. 8°.

Common Council Docs., 1882. no. 25.

— Ordinances . . . in relation to licenses, compiled April 20, 1883. *Brooklyn*, 1883. 24 pp. pap. 8°.

Civil Service Commission. Civil service regulations of the city of Brooklyn. Approved by the state of New York, Aug. 26, 1884. [Brooklyn, 1884.] 47 (2), pp. 8°.

- Civil service regulations of the city of Brooklyn, with amendments and modifications and the rules of the commission. [Brooklyn, 1885.] (1) 52 pp. 8°.

- The civil list of the city of Brooklyn, January 1, 1885. [Brooklyn, 1885.] 65 pp. pap.

- Health Department. Report of the commissioner on illuminating gas made to the committee on lamps and gas of the common council . . . [Brooklyn, 1883.] 409, ii. pp. 2 tbls. 8°.

- Elections, Board of. Election act and instructions for registrars, inspectors, canvassers and poll clerks, in the city of Brooklyn. Brooklyn, 1887. 48 pp. 16°.

- Ordinance. Dog license and penalty, 1887. Approved May 5, 1880. eds. of 1886, 1887. sheets. 16°.

- Proposed street improvements in the city of Brooklyn. Message of the mayor, A. C. Chapin, Dec. 10, 1888. Brooklyn, 1888. 22 pp.

--- Same, in German.

- Proposed legislation for Brooklyn . . . A message of the Hon. Alfred C. Chapin, mayor. Jan., 1889. n. f., n. d. 16 pp. pap. 8°. - The lighting of the city. Message of the Hon. A. C. Chapin, . . . April 1, 1889. [Brooklyn, 1889.] 11 pp. pap. 8°.

· Buildings Department. Building laws of the city of Brooklyn, for the survey and inspection of buildings and the fire limits as established. [Brooklyn, 1890.] 26 pp. 8°.

Guides, etc.

[Disturnell (J. T.)] New York as it is in 1837, containing . . . the public officers, etc., of the city of Brooklyn. New York, 1837. 16°. A L

Brooklyn. Municipal register of the city of Brooklyn, and manual of Kings county, from the earliest period . . . with . . . early history of Long Island. For ... 1848/49. Edited by T. P. Peale. Brooklyn: E. B. Spooner, 1848. 191 pp. 12°. L. Bd. with Brooklyn city directory (Brooklyn,

Cornwell (Samuel H.) The Brooklyn city register, or, Guide for 1848: containing general information . . . Brooklyn : C. H. Sprague, 1848, 201 pp., 1 pl. 24°.

Smith (William H.), compiler. The Brooklyn city and Kings County record: a budget of general information; with . . . an almanac, and an appendix, containing the new city charter. Brooklyn: W. H. Smith, 1855. 216, 71 pp. 1 map. 12°. A L (Appendix gives Charter of the consolidated city of Brook-

lyn for 1855.) City (The) of churches, illustrated. A holiday gazette containing . . . noted business houses, Post Office guide. . . . Brooklyn, 1862-3. 16°.

City (The) of Brooklyn. New York: J. H. & C. M. Goodsell, 1871. v. 6-163 pp., 1 map, 10 pl.

Treat's illustrated New York, Brooklyn and surroundings. New York, 1874. 8°.

Citizen (The) Guide to Brooklyn and Long Island. Brooklyn, 1893. 12°.

Illustrated guide to the Brooklyn Navy Yard. Brooklyn: Brooklyn Daily Eagle, 1900. 3. ed. – 4. ed. 16°. A

#### Ferries.

[Pierrepont (H. E.)] Historical sketch of the Fulton ferry, and its associated ferries; by a director. Brooklyn, 1879. 4°.

All the proceedings in relation to the new South Ferry, between New York and Brooklyn, from Dec., 1825, to Jan., 1835. New York, 1835. 12 100 pp., 1 map. 8°.

Brooklyn. - Ferry and Water Rates Committee. Report of committee . . . concerning the subject of ferries, made Monday, Nov. 17, 1851. Brooklyn: E. B. Spooner, prtr., 1851. 12 pp. 8°. A

Silliman (B. D.) Brooklyn ferries. Substance of . . . remarks . . . as counsel for the Union Ferry Company before the Ferry Committee of the New York Board of Aldermen . . . on the 24. April, 1857. Brooklyn [1857]. 8°. A

Brooklyn.—Law Committee. Report of the committee on ferry rights. Brooklyn: L. Darbee & Son, prirs., 1858. 16 pp. pap. 8°.

 Ordinances. Ordinances and regulations of the common council of the city of Brooklyn, and laws of the state, relative to the water front of the city. Compiled by the city clerk . . . n. p., n. d. pp. [1125-]1199. 8°.

Docs. addressed to Common Council, 1877, no. 45.

Brooklyn ferries. Testimony and proceedings before the Committee of the Senate on Commerce and Navigation . . . 1878, on a bill . . . reducing the fares on the five ferries of the Union Ferry Company of Brooklyn . . . with . . . arguments of A. J. Parker and B. D. Silliman . . . Brooklyn . . . Eagle Print, 1878. 80 pp. 8°. L

#### Public Buildings.

Kings County. — Supervisors, Board of. Building committee. Report in matter of erection and furnishing of the County Court House. Brooklyn, 1866. 8°.

**Fisher** (F. B.) History of the municipal department building, and other public buildings. *Brooklyn*, 1878. 8°.

Brooklyn.—Common Council. New municipal building. Meetings of special committee of investigation, 1877. n. p., n. d. pp. [1201–]1259. 8°. A Docs. addressed to Common Council, 1877, no. 46.

Report of the aldermen in charge of construction of the municipal department building. 1878. n. p., n. d. pp. [709-]805. 8°. A

Common Council Docs., 1878, no. 25.

— Specifications for furniture, gas fixtures and window shades, for the new municipal building. n. p., n. d. pp. [125–]259. 8°. A Common Council Docs., 1879, no. 16.

#### KINGS COUNTY.

Kings County.—Bounty Committee. Report of the special committee of the Board of Supervisors... having in charge the payment of the county bounty, during the year 1864, and a portion of the year 1863. Presented... Dec. 30, 1864. Brooklyn: Daily Eagle Prt., 1865. 26 pp. pap. 8°.

— Building Committee. Report of the Building Committee, in matter of erection and furnishing of the County Court House. Presented in Board of Supervisors, Kings Co., Dec. 22, 1865. Brooklyn: Union Steam Presses, 1866. 39 pp., 3 plans, 2 pls. 1866. 8°.

— Charities Commission. Annual report, 1871/2, 1872/3, 1887/8. Brooklyn, 1872-88. 8°. A

— Laws Committee. The registry laws and maps of district divisions, existing Oct. 1, 1869. Showing the several election districts as arranged to that date. Brooklyn: The Standard Press, 1869. 164 pp. 8°.

— Municipal Government Commission. General plan for the establishment of a municipal government in the County of Kings and consolidating the City of Brooklyn and the towns of New Lots, Flatbush, Flatlands, New Utrecht and Gravesend, under the same. [Adopted Sept. 13, 1873.] n. t. p. [1873.] 8 pp. 8°.

—— Poor, Superintendents of. Annual report of the superintendents, 1857, 1860, 1863, 1866. Brooklyn, 1857-1866. 8°. A

Report of the committee on accounts of the Superintendents of the Poor made to the Board of Supervisors of Kings County, Oct. 8, 1856. Brooklyn: I. Van Anden's Print, 1856. 15 pp. 8°.

 institutions under their charge. Adopted April 29, 1856, to take effect May 12, 1857. Brooklyn: I. Van Anden's Steam Presses, 1857. 35 pp. 8°. A

— Supervisors, Board of. Documents of the Board of Supervisors, 1858. Brooklyn, 1858. 8°. A

— Minutes of the annual session commencing May 7, 1860-71. Brooklyn, 1860-71. 8°. A

— Report of a Special Committee of the Board of Supervisors... in matter of bonded indebtedness of the City of Brooklyn and County of Kings. Presented April 21, 1868. Brooklyn: Daily Eagle Print, 1868. 25 pp. 8°. A

— Instructions to Inspectors of Registry

Instructions to Inspectors of Registry and of Elections, with duties, time of meetings, general provisions, etc. Brooklyn: The "Standard" Press, 1869. 88 pp. 8°.

Report of a special committee of the Board of Supervisors. . . in relation to the assessment of real estate in the County of Kings, in comparison with other portions of the state. Brooklyn: Eagle Print, 1871. 26 pp. 8°.

————— Special laws relating to the powers and duties of Supervisors of the County of Kings. Brooklyn: Eagle Print, 1874. 32 pp. 8°. A

McElroy (Samuel). Report submitted, Oct. 31, 1874. Brooklyn: Rome Bros., prtrs., 1874. 28 pp. 8°. (Kings Co. Town Survey Commission.)

#### GREENPOINT.

Ladies' Benevolent Association of Greenpoint. Tenth annual report, 1882. *Brooklyn*, 1883. 8°. L

#### LONG ISLAND CITY.

**Kelsey** (J. S.) History of Long Island City... New York, 1896. 4°. L

Map of Long Island City, Queens Co., N. Y., showing farm lines, etc. Reduced from Commissioners New City Map. New York: M. Dripps, 1874. Size: 28½ x 43 in. Scale: 9 in=1 mile. Lithographed, colored by hand. Muslin, dissected to fold 6½ x 9½.

#### QUEENS COUNTY.

Onderdonk (H.), fr. Documents and letters intended to illustrate the revolutionary incidents of Queens County, Long Island, with connecting narratives, explanatory notes, and additions. New York, 1846. 12°. A L

--- Queens County in olden times; being a supplement to the several histories thereof. Jamaica, N. Y., 1865. sq. f°. L

History of Queen's County, New York, with sketches of prominent families and individuals, 1683[-1882]. New York, 1882. f°. L

Portrait and biographical record of Queen's County (Long Island), New York. New York, 1806. 4°.

[Onderdonk (H. G.)] To the people of Queens County. [An appeal signed by H. G. Onderdonk, concerning his trial and conviction for extortion, etc., in his capacity as an attorney.] [Flushing, 1846?] 8°. L

Wolverton (C.) Atlas of Queen's Co., Long Island, New York . . . New York, 1891. f°. L

#### WILLIAMSBURGH.

Reynolds (S.) A history of the city of Williamsburgh: containing a succinct account of its early settlement, rapid growth and prosperous condition; with many other important and interesting facts connected with the same. Williamsburgh:

J. C. Gandar, 1852. 137 pp. 12°. L

Wells (J. D.) A brief history of the South Third Street Presbyterian Church, Williamsburgh, L. I. From its organization . . . 1844, in a sermon preached April 18th, 1869, by the pastor. New York: Sutton, Browne & Co., 1870. 31 pp., I pl. 12°.

Williamsburgh.—Charter. The charter of the village of Williamsburgh, and the several acts relating thereto; with the by-laws and ordinances of said village, as revised and amended in May, 1844; and also, forms of proceedings. Published by order of the board of trustees. Williamsburgh: L. Darbee, prtr., 1844. 84 pp. bds. 8°. A

—— Charter of the city of Williamsburgh; with the officers of the corporation for 1852-3, rules of order, and by-laws and ordinances of said city. Williamsburgh: L. Darbee & Son, prtrs., 1852. 76, iv pp. 8°.

Payson (Henry). Williamsburgh directory... for 1847-50. Williamsburgh [1847-1849]. 3 v. 12°.

**Reynolds'** Williamsburgh directory . . . for 1850-1, 1852-54. Williamsburgh, 1850-1854. 4 v. 12°.

# CHECK LIST OF MAPS IN THE NEW YORK PUBLIC LIBRARY RELATING TO THE CITY OF BROOKLYN AND TO KINGS COUNTY.

\*\* All maps unless otherwise indicated are at the Lenox building.

#### 1750.

Copy of an Ancient Map in possession of a descendant of Hannes or Hans Bergen whose house is located thereon, made by T. G. Bergen... probably made prior to 1750. Scale reduced one-half. New York, 1864. Size: 12½ x 12. Lithographed by G. G. Hayward. Plain. From H. McCloskey's Manual, 1864.

#### 1786.

Plan of the City of New York in North America, surveyed in the years 1766, 1767, by Lt. B. Ratzer ... London: Jefferys & Faden, 1776. Size: 34 x 47 (if joined). Scale: 6½ in=1 mile. Engraved on copper by Thomas Kitchin. Plain. 2 sheets.

Includes part of Brooklyn. Also as nos. 22 and 23 in Faden's North Am. Atlas, 1777.

[Facsimile.] Plan of the City of New York... 1766, 1767. B. Ratzer. New York: Colton, 1853. Scale: 61/4 in=1 mile.

[Facsimile of a portion of the Plan of New York on a reduced scale by] Lt. B. Ratzer . . . surveyed in 1767. To His Excellency Sr. Henry Moore . . . [with references to public buildings]. New York: D. T. Valentine, 1854. Size: 16½ x 12 in. Scale: 3½ in=1 mile. Lithographed.

Plan of the Town of Brooklyn and Part of Long Island surveyed in the years 1766 and 1767 by B. Ratzer, Lieut. in His Majesty's 60th or Royal American Regiment. [Brooklyn, 1867.] Size: 13 x 10½ in. Scale: h mile=1 inch. Lithograph by Geo. Hayward. Plain. Paper mounted on paper to fold.

Also in Stiles' Brooklyn, vol. 1 (Brooklyn, 1867), page 62.

Map of Brookland Ferry, in 1766-7 and 1867. [Brooklyn, 1867.] Size: 4 x 6 in. Scale: not given. Lithograph. Plain. Paper mounted on paper.

paper.
Also in H. R. Stiles' Brooklyn, vol. 1 (Brooklyn, 1867), p 311.

#### 1776.

A Plan of N. York Island with part of Long Island, Staten Island and E. New Jersey, with a particular description of the Engagement on the Woody Heights of Long Island . . London: Wm Faden, 1776. Size: 13½ x 18½ in. Scale: 1½ mile to inch. Copperplate, colored by hand. Sheet 20 as bound in Faden's N. American Atlas.

A Plan of New York Island, with part of Long Island, Staten Island and East New Jersey, with a particular description of the Engagement on the Woody Heights of Long Island between Flatbush and Brooklyn on the 27<sup>th</sup> of August, 1776, between

His Majesty's Forces Commanded by General Howe and the Americans under Major General Putnam, with the subsequent disposition of both Armies. London: Wm. Faden, 1776. Size: 16½ x 18½ in. Scale: 1½ miles to an inch. Engraved on copper. Plain, paper, mounted on muslin.

Below is printed Gen. Howe's report of the battle, dated Sept. 3, 1776.

A Plan of New York Island, with part of Long Island, Staten Island and East New Jersey, with a particular Description of the Engagement on the Woody Heights of Long Island, between Flatbush and Brooklyn, on the 27th of August, 1776... with the Subsequent Disposition of both Armies. Manuscript. Size: 17 x 19 in. Scale: 13/2 miles= I in.

Contemporary pen-and-ink drawing, blacked out by watercolor in some parts. Perhaps founded on maps of Jefferys and Faden of same territory, yet containing variations from their printed maps.

Plan of the Battle of Long Island [1776]. Size: 5 x 8 in. Scale: about 1½ miles=1 inch. Engraved on wood. Plain, mounted on paper.

Emplacement des troupes en quartier d'hiver sur Long, York, et Staten Island. 1776? Size: 13 x 8 in. Water-color sketch.

Plan des ouvrages construits près de Brookland. [A water-color drawing of a fort, overlooking a village and ferry to New York.] Size: II x 13½ in. Scale: 550 pieds to inch.

Position of the American Army at New York and the Battle of Long Island, August 27, 1776. [Boston: Russell, Odiorne & Metcalfe, 1834.] Size: 4½ x 7½ in. Scale: 2¼ miles to inch. Steel engraving by G. W. Boynton & Co. Plain. Paper, mounted on paper.

Also in Sparks' Writings of Washington, vol. 4 (Boston, 1834), p. 68.

--- Another Copy. Sheet.

I.ong Island engagement. MSS. carefully drawn on Chart 120, "Map of New York Bay & Harbor," 1845. Scale: 1½ miles=1 in. On muslin.

Battle of Long Island (from Stedman's History of American War), with additions. [New York: G. P. Dutton, 1854.] Size: 4¾ x 6 in. Scale: 5% in = 1 mile. Engraved on stone, by Sarony, New York. Plain. Sheet from Irving's Washington, vol. 2, p. 308.

Map of Brooklyn, at the time of the Revolutionary War, drawn by Genl. Jeremiah Johnson. New York: D. T. Valentine, 1858. Size: 20 x 9½ in. Scale: not given. Lithograph facsimilé by George Hayward of the original drawing. Plain. Paper

mounted on paper to fold. With letterpress as to military and naval operations.

Also in Valentine's Manual, New York, 1858, p. 112.

Plan of the Battle of Brooklyn, August 27, 1776. Compiled from the most authentic military maps and topographical surveys, especially for Stiles' History of the City of Brooklyn. [Brooklyn, 1867.] Size: 10 x 13 in. Scale: not given. Lithograph by Charles Hart from the original drawing by S. Edward Stiles. Plain. Paper mounted on muslin to fold.

In the margin small plans of the British lines of occupation, and of the Cemetery of the Evergreens, and 3 small vignettes of scenery of the battlefield. Also in Henry R. Stiles History of the City of Brooklyn, vol. 1 (Brooklyn, 1867), p. 250.

Plan of the Battle of Brooklyn, August 27, 1776. Compiled from the most authentic military maps and topographical surveys, especially for Stiles' History of the City of Brooklyn. Drawn by S. Edward Stiles. [Albany: J. Munsell, 1869.] Size: 97% x 13 1/8 in. Scale: not given. Lithographed by Charles Hart. Plain. Paper. With marginal views and plans.

From Stiles' Brooklyn, vol. 1 (Albany, 1869), p. 251.

Battle of Long Island. Compiled and drawn by Col. Carrington. [New York, 1877.] Size: 4½ x 7¾ in. Scale: ¾ inch=1 mile. Engraved on wood, mounted on paper.

[A photolithographic reduction of a French Map of the Battle of Long Island, 1776.] [New York: Am. Photo-Litho. Co. Osborne's Process-Print [1880?]. Size: 10 x 8. Scale: about 3 inches= 1 mile. Photolithographs, colored by hand.

#### 1816.

[MS.] Part of the Proposed Turnpike Road from Williamsburgh to Jamaica in Long Island. Sise: 44½ x 14 inches. Scale: 4½ inches=1 mile. Penand-ink drawing. Copied 8 Feby., 1816, by Mr. Randel from a map in the possession of Mr. W. H. Maxwell.

#### 1846.

Map of the City of Brooklyn, and Village of Williamsburgh... Compiled, lithographed and published by Richard Bute, surveyor. [Brooklyn.] Richard Bute, 1846. Size: 43 x 29 in. Scale: 6 inches=I mile. Lithographed, colored by hand.

#### 1848.

[Collection of three Plans on the drainage of part of the City of Brooklyn, 1 and 2 illustrating Major Douglas's Report, No. 3 that of Daniel Richards. Willard Day, City Surveyor.] New York, 1848? Size: various. Scale: various. Lithographed, plain. 3 sheets folded in one cloth cover.

#### 1850.

Map of the Cities of Brooklyn, Williamsburgh and Township of Bushwick. New York: M. Dripps [1850?]. Size: 21 ½ x 17 ½ inches. Scale: about 3 inches=1 mile. Lithographed, colored by hand.

Map of the Consolidated City Brooklyn. [Inset:] Views of New York City, and City Hall, N. Y. New York: Charles Magnus [1850?]. Size: 9¾ x 12¼ in. Scale: about 3 inches=1 mile. Engraved on copper, colored by hand. Muslin to fold in cloth cover, 3½ x 5¼, lettered gold on side. "Our Metropolis."

#### 1851.

Map of the Cities of Brooklyn and Williamsburgh, with part of New York [Inset view of New York, with small plan of vicinity of New York inside cover 3½ x 4½]. Brooklyn: T. D. Smiles [1851?]. Size: 10½ x 12¾. Scale: about 4 inches=1 mile? Lithographed, colored by hand, folded in cloth cover 3½ x 5 in., gilt letters on side.

Map of the City of Brooklyn as laid out by Commissioners... Containing also a map of the village of Williamsburgh and part of the City of New York. New York: J. H. Colton, 1851. Size: 44 x 31½ in. Scale: 6½ inch=1 mile. Engraved by S. Stiles, Sherman and Smith, colored by hand Muslin. Rollers. Varnished.

#### 1889.

Map of the City of Williamsburgh, with Part of Greenpoint [with references and Population Statistics, 1840-50 and 52]. [Williamsburgh: I. C. Gauder, 1852?] Sise: 4½ x 6. Scale: about 3 inches=1 mile. Lithographed, colored by hand. Apparently the first page of a sheet of letter paper.

#### 1854.

Hayward's Map of the Consolidated City of Brooklyn, comprising the City of Brooklyn, City of Williamsburgh, and town of Bushwick. Compiled ... by George Hayward, 1854. New York: G. Hayward, 1854. Size: 2034 x 1534 in. Scale: about 3 inches=1 mile. Lithographed, colored by hand, folded into cloth cover 3 % x 4 1/4.

Topographical Map of the Cities of New York, Brooklyn, Williamsburg, 1854. Scale: about 3 inches=1 mile. Folded into cloth cover, 4 x 6 1/8.

#### 1855.

Fanning's Map of New York, showing the entire Island with the Cities of Brooklyn and Williamsburgh. New York: Ensign, Bridgeman & Fanning, 1855. Size: 6½ x 28¾. Scale: about 2½ in. = I mile. Wax process, colored by hand. Muslin. Rollers. Varnished.

#### 1988

Map of the City of Brooklyn (as consolidated Jan. 1st, 1855), incorporated as a village 1816, as a city 1834. Population about 200,000. New York: M. Dripps [1856]. Size: 22 x 17½. Scale: about 3 inches=1 mile. Lithographed, colored by hand, folded into cloth cover 3½ x 5½, lettered gold on back.

Map of the City of Brooklyn, 1856. [Brooklyn? 1856.] Size: 15 1/2 x 9 1/2. Scale: about 4 in= 1 mile. Lithographed by G. G. Hayward, N. Y. Plain. A L

— Later issue, dated 1860; apparently a photolitho without G. Hayward's imprint.

#### 1859.

Topographical Map of the Counties of Kings and Queens, New York, from surveys under the direction of H. F. Walling. [Inset maps as follows] Astoria, East New York, Farmingdale, Far Rockaway, Hempstead, Glen Cove (O. B.), Hempstead, Hicksville (O. B.), Jamaica, Newtown, New Utrecht, Norwich (O. B.), Oyster Bay, Ravenwood, Newtown, Whitestone, Flushing . . . [with

names of Proprietors]. New York, W. E. & A. A. Baker, 1859. Size: 58 x 57 in. Scale: 1 1/8 in. = 1 mile. Lithographed by H. F. Walling, colored by hand, Muslin, Rollers. Varnished,

Phelps' New Map of the City of Brooklyn as consolidated January 1855. [Map of the Hudson River from Lansingburg to New York on right side: scale about 8 inches=1 mile.] New York: H. Phelps, 1859. Sise: 24½ x 18 in. Scale: 2¾ inches=1 mile. Engraved by W. S. Barnard on stone, colored by hand. Muslin. Rollers. Varnished.

#### 1860.

Map of the five Cities of New York, Brooklyn, Jersey City, Hoboken and Hudson City. New York: Valentine, 1860. Size: 27½ x 48 inches. Scale: 3 inches=1 mile. 2 sheets.

Consolidated City of Brooklyn [with insets of Central Park and New York City]. New York: C. Magnus & Co., 1860. Size: 9¾ x 12½. Scale: not given. Lithograph, colored by hand. Folded into cloth cover, 3½ x 5½ inches. Lettered "Our Metropolis" in gold on side.

Map of the Consolidated City of Brooklyn. [Brooklyn, 1860?] Size: 12½ x 9¾. Scale: about 2 inches=1 mile. Lithograph. Plain.

Map of Lots near Prospect Park, Brooklyn. New York: Endicott & Co. [1860?] Size: 20½ x 37½. Scale: 100 feet=1 inch. Lithographed in colors.

Map of the Eastern Parkway District in the City of Brooklyn, N. Y. [1860?] Size: 18 x 12. Scale: about 4 in.=1 mile. Lithographed. Colored by hand.

The map is drawn with the South at the top of the sheet.

[Large scale plan of a part of Flatbush and Vanderbilt Avenues at intersection of same in an apparent circle.] Watercolor sketch. Size: 13 x 26 in. [1860?] Muslin.

#### 1862.

New Map of Part of the City of New York... also the Brooklyn shore from Robine House to Red Hook Point... by O. W. Childs, C.E.... [New York: Commissioners of the Land Office, 1862?] Size: 26 x 37½. Scale: 8½ inches=1 mile. Lithographed, colored by hand. Sheet from Report of the Commiss of Land, Jan. 9, 1862. 8°.

New Map of the City of Brooklyn [surrrounded by advertisements]. New York: J. H. Higginson, 1862. Size: 28½ x 22. Scale: 4 inches=1 mile. Lithographed, colored by hand. Rollers. Varnished.

#### 1863.

Map of the Consolidated City of Brooklyn, 1863, for Henry McCloskey's Manual, entered according to Act of Congress 1861 by A. Brown & Co. New York: A. Brown & Co., 1863. Size: 21¾ x 17¼. Scale: 2¾ in.=1 mile. Lithographed, colored by hand.

—— Another Copy, in McCloskey's Manual for 1864, 1866, 1867, and (title altered, plate unchanged) in Bishop's Manual for 1869.

Map of the City of Brooklyn, 1863. [New York: H. Phelps, 1863.] Size: 17 1/4 x 14 1/2. Scale: about 2 1/2 in. = 1 mile. Lithograph. Plain. Map of the City of Brooklyn. [In Lain's Brooklyn Directory for 1863-4.] [Brooklyn,] 1863. Folded.

Copyrighted by H. Phelps, 1863.

#### 1864.

The Empire City and Environs, New Map of the Cities of New York, Brooklyn, etc. New York: C. Lubrecht, 1864. Scale: 4 inches=1 mile. Folded in cloth cover.

Map of the City of Brooklyn, being the former Cities of Brooklyn and Williamsburgh, and the town of Bushwick as consolidated January 1st. 1855... New York: M. Dripps, 1864. Size: 46 x 64. Scale: 8¾ inches=1 mile. Lithographed. Colored by hand. Muslin dissected to fold, 12½ x 11¼ in. Edges bound in silk.

Map of the City of Brooklyn, 1864. [In Lain's Brooklyn Directory for 1864-5.] [New York,] 1864. Folded.

Copyrighted by H. Phelps, 1863.

#### 1865

Map of the City of Brooklyn, 1865. [In I.ain's Brooklyn Directory for 1865-6.] [New York,] 1865. Folded.

Copyrighted by H. Phelps, 1858.

#### 1866.

Map of the city of Brooklyn. [In Lain's Brooklyn Directory for 1866-7.] [New York,] 1866. Folded.

Copyrighted by H. Phelps, 1858.

#### 1867.

Map of the city of Brooklyn. [In Lain's Brooklyn Directory for 1867-8.] [Brooklyn,] 1867. Folded.

Copyrighted by H. Phelps, 1858.

#### 1868.

Design for Prospect Park as proposed to be laid out for the city of Brooklyn. New York: Olmsted, Vaux & Co., 1868. Size: 19 x 11 1/4. Scale: about 10 in. = 1 mile. Lithographed in colors.

Design for Prospect Park in the city of Brooklyn, 1870.

This is apparently a later edition, from a different stone, of the 1868 map, with the addition of "Parade ground" on the west,

Watson's New Map of the City of Brooklyn and Environs. New York: Gaylord Watson, 1868. Size: 29½ x 21½. Scale: about 3 inches=1 mile. Lithographed. Colored by hand. Varnished.

#### 1869.

Map of the City of Brooklyn, 1869 [Brooklyn: G. Watson, 1869?] Size: 22 1/4 x 15 1/4. Scale: 21/4 in.=1 mile. Backed with 8 pp. advts.

Map of the County of Kings showing the: (1) Congressional Districts [in color]; (2) Ward and Town Boundaries; (3) Senate Districts; (4) Assembly Districts. Uniform scale and size. Brooklyn, Oct. 1869. Size: 21 x 24 in. Scale: about 3 in. = 1 mile. Lithographed in colors.

---- Another set. In sheets.

Map of New York and Brooklyn. New York: M. Dripps, 1869. 8°.

#### 1870.

Maps of the City of Brooklyn. Published for the Brooklyn City Directories. [Brooklyn:] Lain & Co. [1870?] Size: 22 x 17. Scale: 3 inches=1 mile. Engraved by W. S. Barnard. Litho. Plain.

- Another edition. 1871.

- Another edition. Apparently a photolithographic copy of the above, considerably altered and enlarged, printed in black and red, for the "Advertising Bureau B. C. R.R. Co., Brooklyn [1873 ?].

Another Copy, enlarged with corrections and additions to 1874. Folded into cloth cover, 4 x 6 ½ inches, lettered gold on side.

Another Copy. Paper.

—— Another edition. Apparently an enlargement of the above plate, with corrections and additions to 1875.

Fire Department Map of City of Brooklyn, 1890. New York: A. Brown, 1870. Size: 42 x 27. Scale: 5½ in.=1 mile. Lithographed. Colored by hand. Rollers. Varnished.

- Another copy. Uncolored. Roller. Varnished.

#### 1873.

Maps of 1250 Lots and Gores situated on Nostrand, Marcy, Tompkins, Throop, Yates, Lewis, Stuyvesant and Putnam Avenues, and Halsey, Hancock, Jefferson and Madison Streets, in the 21st Ward of the City of Brooklyn, being part of the Estate of Leffert Lefferts, deceased, to be sold at Public Auction by Order of the Supreme Court, at the Commercial Exchange No. 389 Fulton St. in the City of Brooklyn on the 5th day of December 1872, commencing at the hour of Twelve o'clock noon, under the direction of George J. Murphy referee ... Jacob Cole, Auctioneer. Brooklyn: George J. Murphy Referee, Jacob Cole Auctioneer, 1873. Size: one 28 x x 16 ½, one 24 x x 16 ½. Scale: not given. Lithographed. Plain. 4 sheets in printed wrapper, pasted on.

Atlas of Long Island, New York; from recent and actual surveys and records. By F. W. Beers. New York, 1873. F°.

#### 1874.

New map of the city of Brooklyn. [In Lain's Brooklyn Directory for 1874-5.] Brooklyn, 1874. Folded.

Copyrighted by H. Phelps, 1858.

Brooklyn. New York: J. B. Beers & Co., 1874. Size: 23 x 16 %. Scale: about 3 in. = 1 mile. Lithographed in colors. Apparently a map issued by the Advertising Bureau B. C. R.R. Co., Brooklyn, with route printed in red.

#### 1875.

New map of the city of Brooklyn. [In Lain's Brooklyn Directory for 1875-6.] Brooklyn, 1875. Folded.

Copyrighted by Gaylord Watson, 1875.

#### 1876.

Map showing the original high and low grounds, salt marsh and shore lines in the City of Brooklyn, from original Government surveys made in 1776-7. Brooklyn: Board of Health, 1876. Size: 143/ x 27. Scale: about 3½ in. = 1 mile. Lithographed. Colored by hand.

New map of Brooklyn. [In Lain's Brooklyn Directory for 1876-77.] Brooklyn, 1876. Folded. Copyrighted by Gaylord Watson in 1876.

New map of Brooklyn and vicinity published for the Brooklyn City Directory. Entered . . . 1876 by Gaylord Watson. Brooklyn: Lain & Co., 1877. Size: 21½ x 26½. Scale: 3½ inches=1 mile. Lithographed, plain. Six pp. advts. at back.

New map of Brooklyn, including Kings Co., from the latest official surveys, showing all the latest improvements. Copyrighted 1877 by Gaylord Watson. Brooklyn: Lain & Co., 1878. Size: Scale: 21/4 miles=1 inch. Litho-19 x 27 1/4. Sca graphed. Plain.

- Another edition. 1880.

New map of Brooklyn, including Kings Co. [In Lain's Brooklyn Directory for 1878-9.] Brooklyn, 1878. Folded. Two copies.

Copyrighted by Gaylord Watson, 1877.

#### 1879.

New map of Brooklyn and vicinity. [In Lain's Brooklyn Directory for 1879-80.] Brooklyn, 1879. Folded. Two copies.

Copyrighted by Gaylord Watson; but the date has been erased from the plate for this issue, as the space shows.

#### 1880.

New map of Brooklyn and vicinity. [In Lain's Brooklyn Directory for 1880-81.] Brooklyn, 1880.

Copyrighted by Gaylord Watson, n. d.

#### 1881.

New map of Brooklyn. [In Lain's Brooklyn Directory for 1881-2.] Brooklyn, 1881. Folded. Copyrighted by Gaylord Watson, 1876.

#### 1882.

Map of the city of Brooklyn. [In Lain's Brooklyn Directory for 1882-3.] Brooklyn, 1882. Folded. Copyrighted by J. B. Beers & Co., 1876.

#### 1888.

Map of the city of Brooklyn. [In Lain's Brooklyn Directory for 1883-4.] Brooklyn, 1883. Folded. Copyrighted by J. B. Beers & Co., 1876.

#### 1884.

Map of the city of Brooklyn. [In Lain's Brooklyn Directory for 1884-5.] Brooklyn, 1884. Folded. Copyrighted by J. B. Beers & Co., 1876.

Map of the city of Brooklyn. [In Lain's Brooklyn Directory for 1885-6.] Brooklyn, 1885. Folded. Copyrighted by J. B. Beers & Co., 1876 and 1885.

Map of the city of Brooklyn. [In Lain's Brooklyn Directory for 1886-7.] Brooklyn, 1886. Folded. Copyrighted by J. B. Beers & Co., 1876 and 1885.

East River Front of New York and Brooklyn from the Battery . . . to Blackwells Island. Washington: U. S. C. and G. Survey, 1886. Size: 26 x 42 in. Scale: about 6 in. = 1 mile. Chart no. 3038.

#### 1887.

[New Guide Map and Street Directory of Brooklyn, copyrighted 1887 by G. W. Hobbs. 30 pp. text in 4 pp. printed cover.] New York: W. T. Weedon [1887]. Size: 17½x16. Scale: about 4 in.=1 mile. Lithographed in colors, folded in stiff paper covers. 3½x5½.

#### 1890.

Map of the city of Brooklyn. [In Lain's Brooklyn Directory for 1890–91.] Brooklyn, 1890. Folded.

Copyrighted by J. B. Beers & Co., 1876 and 1885.

#### 1891.

Map of the enlarged City of Brooklyn, published for the Brooklyn Directory, copyrighted 1891 by J. B. Beers & Co. [Tables of] Ward boundaries, Elevated R.R. and Branches. Brooklyn: Lain & Healy [1891?]. Size: 36 x 26. Scale: 33% in.=1 mile. Lithograph; muslin; not dissected.

#### 1895.

Map of the enlarged city of Brooklyn. [In Lain and Healy's Brooklyn Directory for 1895–96.] *Brooklyn*, 1895. Folded.

Copyrighted 1894 by J. B. Beers & Co.

#### 1896.

Map of the City of Brooklyn, Kings County. Compiled from the Latest Official City Surveys, Private Maps on Record, by Leading City Engineers, and Valuable Information furnished by the

Department of City Works. Brooklyn: Hyde & Co., 1896. Size: (2 sheets each) 15 x 24 in. Scale: 2,000 feet=1 in. Photolithograph by Robert A. Welcke, New York. Paper, folded in stiff cardboard covers.

Tax rates for 1895 for each ward on the margins.

Complete and reliable road map of Long Island, east to Patchogue . . . for wheelmen. Brooklyn: Hyde & Co., 1896. 8°.

— Map of Long Island based upon recent U. S. coast surveys, together with local maps on file. Brooklyn: Hyde & Co., 1896. 4°. A

#### 1897.

Map of the enlarged city of Brooklyn. [In Lain and Healy's Brooklyn Directory for 1897–98.] Brooklyn [1897]. Folded.

Copyrighted by J. B. Beers & Co., 1894.

Bird's-eye view of the Borough of Brooklyn, showing parks, cemeteries, principal buildings and suburbs, specially prepared for the Brooklyn Daily Eagle consolidation number. Brooklyn: Daily Eagle, 1897. Size: 34½ x 20. No scale. Lithographed in black and green text. Sheet.

#### 1898.

Atlas of the Brooklyn Borough of ... New York by Hugo Ullitz. vol. 1, containing the first 28 wards; vol. 2, Flatbush and New Utrecht; vol. 3, Gravesend and Flatlands. Based upon official Maps and Plans. Brooklyn: Hyde & Co., 1898. 3 vols. F°.

# CHECK LIST OF BROOKLYN DIRECTORIES IN THE NEW YORK PUBLIC LIBRARY.

PART I. ALPHABETICAL LIST.

Brooklyn. — Election Board. Registry of voters. n. t. p. 1872-94. 46 vols. 8°. L. — Registry of voters in the twenty-third ward. New York [1874]. 28 pp. 8°. L.

Brooklyn blue book, 1896. Brooklyn, 1896. L

Brooklyn city directory for 1845/46... also, An almanac for 1845. Brooklyn, 1845. 8°. L

Brooklyn Directory for 1826. Brooklyn: A. Spooner and Sons, 1826. 3, 76 pp. 12°. L

**Business** directory for the city of Brooklyn for 1874. *Brooklyn* [1874]. 8°. L

Curtin's Brooklyn business directory . . 1876-7. New York, 1876. 8°.

Hearne's Brooklyn city directory, 1842/43-1854/55. *Brooklyn*, 1842-54. 13 v. 12°. L Various changes in title and in compilers.

Lain (G. T.) Brooklyn street and avenue directory and guide. Compiled from the official records adopted by the Common council. *Brooklyn*, 1873. 24°. LA

Business directory for the city of Brooklyn, Kings County, and Long Island, 1878/9, '88/9, '90/1, 1892. Brooklyn: Lain & Co., 1878-92.

**Lain** and Healy's Brooklyn directory, 1857/8–1891-92, 1893/4, 1895/6-1899/1900. *Brooklyn*, 1857-1899. 41 v. 12°, 8°. L

1857/8-67/8 called "The Brooklyn city directory," 1868/9-1881/3 "The Brooklyn city and business directory" or "The Brooklyn city directory," etc., 1883/4-1893/4 "Lain's Brooklyn directory," 1895/6-1900 as above.

Lain's Brooklyn street directory and buyers' guide, 1889-92. Brooklyn, 1889-92. 24°. L

Lain's Élite directory for the city of Brooklyn, 1877/8-1881/2, 1886/7-1887/8, 1889. Brooklyn, [1877-]1889. 16°. L

Lomas (John), and Peace (A. S.) The wealthy men and women of Brooklyn and Williamsburgh . . . a . . . list of all whose estimated possessions . . . amount to . . . ten thousand dollars and upwards . . . with brief biographical sketches of . . . eminent persons. Brooklyn: A. S. Peace, 1847. 48 pp. 16°.

Nichols (Lewis). Brooklyn Directory for the years 1837-38. Brooklyn: A. Spooner & Sons, 1837. 132 pp. 12°. L

Ogden (Henry L.) Brooklyn directory for the years 1839-40. Brooklyn: Arnold & Van Anden, 1839. 16°.

Register (The): a directory of Brooklyn institutions and associations, with statistics and directions for the convenience of the public. *Brooklyn*, 1875. 8°.

Smith's Brooklyn business directory for 1857. Brooklyn, 1857. 8°. L

**Smith's** Brooklyn city directory, 1854/55, 1855/56, 1856/57. *Brooklyn*, 1854-56. 12°. L

**Teale** (Thomas P.) Brooklyn city directory and annual advertiser for the years 1848-9. Brooklyn: E. B. Spooner, 1848. 12°. L

• United States.—Provost Marshal, 3d District, N. Y. Names of persons enrolled as liable to military duty: Wards 1-5, 7, 11, 13, 15, 19. Brooklyn, 1863. 10 pms. 8°.

— ad District, N. Y. [Names of persons enrolled as liable to military duty.] Brooklyn, 1863.
9 pms. 8°. L

Upington's general directory of Brooklyn, 1901/02. Brooklyn, 1901. 8°. A

Whitten's business directory of the city of Brooklyn, including Brooklyn, Gowanus, Williamsburgh, and Greenpoint. *Brooklyn*, 1867. 24°. L

#### PART II. CHRONOLOGICAL LIST.

#### 1676.

Assessment Roll of Breuckelen, made up Sept., 1676. 57 names. (In Brooklyn Common Council Manual, 1864, pp. 185–187.) A L

#### 1687.

Roll (The) of those who have taken the oath of allegiance in the Kings County, in the Province off New Yorke, the 26, 27, 28, 29 and 30th day off September . . . 1687. 69 names of Fflackbush, 78 names of Breucklijn, 52 names of New Uijtrecht, 33 names of Boswijck, 47 names of Fflackland, and 15 names of Gravens End. (In Brooklyn Common Council Manual, 1864, pp. 190–193.)

#### 1788.

List of all the Inhabitants of the Township of Brookland, both of Whites and Blacks, Males and Females, etc., in 1783. 92 names. (In Brooklyn Common Council Manual, 1864, pp. 188–189.) A L

#### 1796.

**Brooklyn** Directory, containing the names of the inhabitants alphabetically arranged. Never before published. 126 names. (In Low's New York Directory for 1796.)

Brooklyn in 1796; or the first directory of the Village, with notes by Henry R. Stiles, M.D. (In Brooklyn Common Council Manual, 1864, pp. 139-143.)

#### 1802.

**Brooklyn** Directory. 218 names. (In Shoemaker's New York Directory, 1802, pp. 127-131.) L

#### 1811.

**Brooklyn** Directory. 372 names. (In Longworth's New York Directory, 1811, pp. 337-344.) L

#### 1822.

Spooner's Brooklyn Directory for the year 1822. Lacking.

1822. Lacking.

This was the first Brooklyn directory published in a separate form. It was continued annually 1823 to 1826, and from 1829 regularly. No directory was published for 1827 and 1828.

### 1826.

[Brooklyn Directory for 1826. Brooklyn: A. Spooner and Sons, 1826.] 3-76 pp. 12°. L. Title-page lacking.

#### 1887.

Brooklyn Directory, for the years 1837-38. By Lewis Nichols. Brooklyn: A. Spooner & Sons, June, 1837. 132 pp. 12°. L

#### 1889.

Brooklyn directory for the years 1839-40, Compiled by Henry L. Ogden. Brooklyn: Arnold & Van Anden, 1839. 16°.

#### 1842.

**Brooklyn**... directory... for 1842 & 3. Compiled... by James E. & John K. Webb, and William J. Hearne. *Brooklyn* [1842]. 12°. L

#### 1843.

[Brooklyn...directory...for 1843 & 4.] Compiled...by Thomas Leslie, Henry R., & William J. Hearne. Brooklyn [1843]. 12°. L Pages 1-6 mutilated.

#### 1844.

**Brooklyn** ... directory ... for 1844-5 ... Compiled ... by Henry R., & William J. Hearne, & Edwin Van Nostrand. *Brooklyn* [1844]. 16°. L

#### 184K.

[Brooklyn...directory...for 1845-6. Compiled by William J. Hearne and Edwin Van Nostrand. *Brooklyn* [1845]. 16°. L. Title-page lacking.

Brooklyn city directory for 1845/46... also, an almanac for 1845. Brooklyn, 1845. 8°.

Bound with New York city directory for 1845/46. New York, 1845. 8°.

1846.

**Brooklyn** directory and yearly advertiser for 1846-7... Compiled...by W[illiam] J. Hearne, & Edwin Van Nostrand. *Brooklyn* [1846]. 16°. L

#### 1847.

Brooklyn directory and yearly advertiser for 1847-8... Compiled... by W[illiam] J. Hearne & James E. Webb. Brooklyn [1847]. 16°. L

#### 1848.

Brooklyn city directory, and annual advertiser for the years 1848-9. Compiled by Thomas P. Teale. Brooklyn, 1848. 12°. L

Brooklyn directory and yearly advertiser for 1848-49... Compiled... by H. R. & William J. Hearne. Brooklyn [1848]. 12°. L

#### 1849.

Brooklyn directory and yearly advertiser for 1849 & '50... Compiled... by H. R. & William J. Hearne. Brooklyn [1849]. 12°. L

#### 1850.

Hearnes' Brooklyn city directory for 1850-1851... Brooklyn [1850]. 12°. L

#### 1851

Hearnes' Brooklyn city directory for 1851-1852... Brooklyn [1851]. 12°. L

#### 1852.

Hearnes' Brooklyn city directory for 1852-1853. Brooklyn [1852]. 12°. L

#### 1858.

Hearnes' Brooklyn city directory for 1853-1854. Brooklyn [1853]. 12°. L

#### 1854.

Hearnes' Brooklyn city directory for 1854-1855... Brooklyn [1854]. 12°. L

Smith's Brooklyn city directory for 1854 and 1855... William H. Smith, compiler... Brooklyn, 1854. 12°. L

Smith's Brooklyn directory . . . ending May 1st, 1856 . . . William H. Smith, compiler . . . Brooklyn, 1855. 8°. L

#### 1856.

Smith's Brooklyn directory . . . year ending May 1st, 1857 . . . William H. Smith, compiler. Brooklyn, 1856. 8°. L

#### 1857.

Smith's Brooklyn business directory for 1857... W. H. Smith, compiler. *Brooklyn*, 1857. 8°. L

Brooklyn (The) city directory . . . year ending May 1st, 1858. Compiled by J[onathan] Lain. Brooklyn [1857]. 8°. L

#### 1858.

Brooklyn (The) city directory... ending May 1st, 1859. Compiled by J[onathan] Lain. Brooklyn [1858]. 8°. L

Brooklyn (The) city directory... year ending May 1st, 1860. Compiled by J[onathan] Lain. Brooklyn [1859]. 8°. L

#### 1860.

Brooklyn (The) city directory . . . year ending May 1st, 1861. Compiled by J. Lain. Brooklyn [1860]. 8°.

**Brooklyn** (The) city directory... year ending May 1st, 1862. Compiled by J. Lain. Brooklyn [1861]. 8°. L

Brooklyn (The) city directory... year ending May 1st, 1863. Compiled by J. Lain. Brooklyn [1862]. 8°.

#### 1868.

Brooklyn (The) city directory . . . ending May 1st, 1864. Compiled by J. Lain. Brooklyn [1863].

United States.—Provost Marshal. Names of persons enrolled, etc. 8°.

Brooklyn (The) city directory . . . ending May 1st, 1865. Compiled by J. Lain. Brooklyn [1864]. 8°.

Brooklyn (The) city directory . . . year ending May 1st, 1866. Compiled by J Lain. Brooklyn [1865]. 8°.

Brooklyn (The) city directory . . . year ending May 1st, 1867. Compiled by J. Lain. Brooklyn [1866]. 12°. 1867.

Brooklyn (The) city directory . . . year ending May 1st, 1868. Compiled by Geo. T. Lain. Brooklyn

Whitten's business directory of the city of Brooklyn, including Brooklyn, Gowanus, Williamsburgh and Greenpoint. Brooklyn, 1867. 24°. L

#### 1868.

**Brooklyn** (The) city and business directory... year ending May 1st, 1869... Compiled by Geo. T. Lain. Brooklyn [1868]. 8°. L

Brooklyn (The) city and business directory. year ending May 1st, 1870. Compiled by Geo. T. Lain. Brooklyn [1869]. 8°.

#### 1870.

Brooklyn (The) city and business directory . . . year ending May 1st, 1871 . . . Compiled by Geo. T. Lain. Brooklyn [1870]. 8°. L

#### 1871.

**Brooklyn** (The) city and business directory. year ending May 1st, 1872 . . . Compiled by Geo. T. Lain. Brooklyn [1871]. 8°.

#### 1872.

Brooklyn (The) city and business directory... year ending May 1st, 1873... Compiled by Geo. T. Lain. Brooklyn [1872]. 8°.

Lain (G. T.) Brooklyn street and avenue directory and guide. Compiled from the official records adopted by the common council. Brooklyn, 1873. LA

**Brooklyn.**—Election Board. Registry of voters.

#### 1878.

Brooklyn (The) city and business directory year ending May 1st, 1874 . . . Compiled by Geo. T. Lain. Brooklyn [1873]. 8°.

**Brooklyn.**—Election Board. Registry of voters.

## 1874.

**Brooklyn** (The) city and business directory. year ending May 1st, 1875. Compiled by Geo. T. Lain. Brooklyn [1874]. 8°. L

Brooklyn.—Election Board. Registry of voters. - Registry of voters in the twenty-third ward. New York [1874]. 8°.

Business directory for the city of Brooklyn for 1874. . Brooklyn [1874]. 8°.

Brooklyn.—Election Board. Registry of voters.

#### 1875.

**Brooklyn** (The) city and business directory . . . year ending May 1st, 1876 . . . Compiled by Geo. T. Lain. Brooklyn [1875]. 8°.

Brooklyn. - Election Board. Registry of voters.

Register (The): a directory of Brooklyn institutions and associations, with statistics and directions for the convenience of the public. Brooklyn, 1875. 8°.

**Brooklyn.**—Election Board. Registry of voters.

#### 1876.

**Brooklyn** (The) city and business directory. Lain. Brooklyn [1876]. 8°.

Brooklyn. -- Election Board. Registry of voters.

Curtin's Brooklyn business directory . . . 1876-New York, 1876. 8°.

Brooklyn.—Election Board. Registry of voters.

#### 1877.

Brooklyn.—Election Board. Registry of voters.

Brooklyn (The) city directory ... . year ending May 1st, 1878. Compiled by Geo. T. Lain. Brooklyn [1877]. 8°. L

Curtin's Brooklyn business directory . . . 1877– Brooklyn, 1877. 8°.

Lain's Élite directory for the city of Brooklyn, 1877-78... Brooklyn [1877]. 16°.

Brooklyn. - Election Board. Registry of voters.

Brooklyn (The) city directory . . . year ending May 1st, 1879. Compiled by Geo. T. Lain. *Brooklym* [1878]. 8°. L

Business directory for the city of Brooklyn, Kings County, and Long Island City . . . for 1878-Compiled by Geo. T. Lain. Brooklyn, 1878.

Lain's Brooklyn Élite directory . . . 1878-9. Brooklyn, 1878. 12°.

Brooklyn.—Election Board. Registry of voters.

**Brooklyn** (The) city and business directory year ending May 1st, 1880. Compiled by Geo. T. Lain. Brooklyn [1879]. 8°.

Lain's Élite directory for the city of Brooklyn, 1879-80. Brooklyn [1879]. 16°.

#### 1880.

Brooklyn.—Election Board. Registry of voters.

Brooklyn (The) directory . . . year ending May 1st, 1881. Compiled by Geo. T. Lain. Brooklyn [1880]. 8°.

Lain's Élite directory for the city of Brooklyn, 1880-81... Brooklyn, 1880. 16°. L

#### 1881.

Brooklyn.—Election Board. Registry of voters.

Brooklyn (The) directory . . . year ending May 1st, 1882 . . . Compiled by Geo T. Lain. Brooklyn [1881]. 8°. L

Lain's Brooklyn Élite directory and ladies visiting and shopping guide... season of 1881-82... Brooklyn [1881]. 16°. L

#### 1882.

Brooklyn.—Election Board. Registry of voters.

Brooklyn (The) directory . . . year ending May 1st, 1883. Compiled by Geo. T. Lain. Brooklyn [1882]. 8°. L

1888.

Brooklyn. - Election Board. Registry of voters.

Lain's Brooklyn directory... year ending May 1st, 1884... Geo. T. Lain, compiler, Chas. J. Healy, Ass't compiler. *Brooklyn* [1883]. 8°. L

#### 1884.

Brooklyn.—Election Board. Registry of voters.

Lain's Brooklyn directory . . . year ending May 1st, 1885. Geo. T. Lain, compiler, Chas. J. Healy. Ass't compiler. *Brooklyn* [1884]. 12°. L

#### 1885.

Brooklyn.—Election Board. Registry of voters.

Lain's Brooklyn directory . . . year ending May 1st, 1886. Geo. T. Lain, compiler, Chas. J. Healy, Ass't compiler. *Brooklyn* [1885]. 8°. L

#### 1886.

**Brooklyn.**—Election Board. Registry of voters. 8°. L

Lain's Brooklyn directory . . . year ending May 1st, 1887. Geo. T. Lain, compiler, Chas. J. Healy, Ass't compiler. *Brooklyn* [1886]. 8°. L

Lain's Brooklyn Élite directory and ladies' visiting and shopping guide, season of 1886-7...

Brooklyn, 1886. 12°. L

#### 1887.

**Brooklyn.**—Election Board. Registry of voters. 8°.

Lain's Brooklyn directory ... year ending May 1st, 1888 ... Brooklyn [1887]. 8°. L

[Lain's Brooklyn Elite directory and ladies' visiting and shopping guide, season of 1887-8. Brooklyn, 1887. 12°.]

Title-page lacking.

#### 1888.

**Brooklyn.**—Election Board. Registry of voters. 8°.

Lain's business directory of Brooklyn... for 1888-89. Brooklyn, 1888. 8°. L

Lain's Brooklyn directory . . . year ending May 1st, 1889 . . . Brooklyn [1888]. 8°. L

#### 1889

Brooklyn.—Election Board. Registry of voters.

Lain's Brooklyn directory... year ending May 1st, 1890... Brooklyn [1889]. 8°. L

Lain's Brooklyn street directory and buyers' guide . . . Brooklyn, cop. 1889. 24°. L

Lain's Élite directory of Brooklyn and Long Island towns...season of 1889... Brooklyn, 1889. 12°.

1890.

Brooklyn.—Election Board. Registry of voters.

Lain's Brooklyn directory . . . year ending May
1st, 1891 . . . Brooklyn [1890]. 8°. L

Lain's Brooklyn street directory and buyers' guide . . . Brooklyn, cop. 1890. 24°. L

Lain's business directory of Brooklyn...for 1890-91. Brooklyn, 1890. 8°. L

#### 1891.

Brooklyn.—Election Board. Registry of voters.

Lain's Brooklyn directory . . . year ending May 1st, 1892 . . . Brooklyn [1891]. 12°. L

Lain's Brooklyn street directory and buyers' guide . . . Brooklyn, cop. 1891. 24°. L

#### 1892.

Brooklyn.—Election Board. Registry of voters.

Lain's Brooklyn and Long Island business directory, 1892. *Brooklyn*, 1892. 8°. L

Lain's Brooklyn street directory and city guide . . . Brooklyn, cop. 1892. 24°. L

#### 1898.

Brooklyn.—Election Board. Registry of voters.

Lain's Brooklyn directory . . . year ending May 1st, 1894. Brooklyn [1893]. 8°. L

#### 1894.

Brooklyn.—Election Board. Registry of voters. Brooklyn, 1894. 8°. L

Lain & Healy's Brooklyn directory . . . year ending May 1st, 1896. Brooklyn [1895]. 8°. L

#### 1896.

**Brooklyn** Blue Book. 1896... *Brooklyn*, 1806. 12°.

Lain & Healy's Brooklyn directory . . . year ending May 1st, 1897 . . . Brooklyn [1896]. 8°. L

#### 1897.

Lain & Healy's Brooklyn directory . . . ending May 1st, 1898. Brooklyn [1897]. 8°. L

#### 1898.

Lain & Healy's Brooklyn directory . . . year ending May 1st, 1899 . . . Brooklyn [1898]. 8°. L 1899.

Lain & Healy's Brooklyn directory . . . year ending May 1st, 1900. Brooklyn [1899]. 8°. L

#### 1900.

**Brooklyn** general directory for the year ending May 1st, 1901. George Upington, Pub. *Brooklyn*, 1900. 8°.

#### 1901.

**Upington's** General directory of Brooklyn... for the year ending May 1st, 1902. *Brooklyn*, 1901. 8°.

# CHECK LIST OF WORKS IN THE NEW YORK PUBLIC LIBRARY RELATING TO THE CEMETERIES OF BROOKLYN.

\*\* The letters A and L following the titles indicate the location, referring to the Astor and Lenox buildings respectively.

Evergreens Cemetery. [Description, rules, &c.] 1897. [New York, 1897.] 23 pp. 1 map, 1 pl. Greenwood Cemetery. Rules and regula-ons, 1844-47, '49, '54 '56, '58, '60, '63, '65-66, tions, 1844-47, '49, '54 '56, '58, '60, '69, '68, '70, '72, '81. New York, 1844-81. ---- 1849. New York, 1849. 8°. Minor differences in title-pages. 1845-63 include catalogue of proprietors.
1847-52 includes Mr. Cleaveland's descriptive notices of "Greenwood illustrated." 1881 was published in Brooklyn. ---- Report of the board of trustees, 1872-75, '79, '80, '83, 97. Brooklyn, 1873-98. 8°. ---- 1880. Brooklyn, 1881. 8°. Copy for 1880 at Astor branch is 2d ed. --- Map. New York: R. Martin, 1846. 8 x 10 1/2 in. 24°. - — New York [1850?]. 16½ x 16¾ in. 16°. – New York: N. Sarony, 1850. 17 x 16 in. 16°. - New York: Snyder, Black & Sturn [1855]. 14½ x 23 in. 16°. – – New York: Snyder, Black & Sturn, 1857. 21 1/2 x 16 in. 16°. A L - - Boston: Prang & Mayer, 1860. 14½ x 17 in. 16°. L – 13½ x 13. – — New York: Snyder, Black & Sturn, 1861. 14½ x 10 in. 16°. A L – — New York: Major & Кпарр, 1865. 2 pp. text; map, 13 1/2 x 29 in. 16°. ---- 1872. 13½ x 13½ in. 16°. A – New York: M. Dripps, 1877. 32°. 17¾ x 23 in. 14 14 x 22 1/2 in. 16°. - [New York, 1881.] 3 pp. text; map, 14 x 22 in. 16°. - Exposition of the plan and objects of Greenwood cemetery, an incorporated trust chartered by the Legislature of the State of New York. New York: Narine & Co., 1839. 28, 3 pp. 8°. A --- Report of the vice-president of Greenwood cemetery corporation, made to the board of trustees Dec. . . . 1843. New York, 1844. 12 pp. nar. 12°.

- Catalogue of proprietors in Greenwood Cemetery. (To June 10, 1845.) [Brooklyn? 1845.] 19 pp. 8°. - (To Jan. 1, 1860.) *Brooklyn*, 1863. 145 pp. 8°. ---- Green-wood illustrated. From drawings taken on the spot by J. Smillie. With descriptive notices by N. Cleaveland. New York [1847]. 2 p. l., 93 (1) pp., 3 l., 21 pl. 4°. - Green-wood: a directory for visitors. By N. Cleaveland. New York, 1849. viii, 233, 167, 71 pp., 1 pl. 16°. - Rules and regulations of Greenwood Cemetery, with a catalogue of proprietors and Mr. Cleaveland's descriptive notices of "Greenwood illustrated." New York, 1851. 2 pl., 5-31, 64, 46 pp. - Greenwood: a directory for visitors. By N. Cleaveland. New York: Pudney & Russell, 1852. 3 pts. in 1 v. 1 map. 16°. Pt. z. A directory.
Pt. z. Biographical notices.
Pt. 3. History of Greenwood regulations, and catalogue of - Hints concerning Greenwood and its monuments and improvements, by N. Cleaveland. New York, 1853. Il., 44 pp. 8°. --- Report of the receipts and expenditures . . . from 1839-61. New York, 1861. 94 pp. 8°. A - -- 1861, '66-68. New York, 1862-69. - Supplemental catalogue of proprietors to May 2, 1873. Brooklyn, 1873. 112 pp. 8°. A — Suggestions to lot-owners. Brooklyn, 1878. 15 pp. 8°. - Suggestions to the lot owners of the Greenwood cemetery. Brooklyn, 1879. 16 pp. 2. ed. 8°. - Greenwood Cemetery, 1886. Objects of special interest. I folded leaf, I diagr., in. x 1 ft. 10 in. [Brooklyn? 1886?] 16°. - Sizes and prices of burial plots. New York, 1896. 8°.

Burying - ground Association.

Charles Storr's deeds, dated Aug. 25, 1862, and April 5, 1864. *Brooklyn*, 1864. 28 pp. 8°. A

Mansfield

# CHECK LIST OF WORKS IN THE NEW YORK PUBLIC LIBRARY RELATING TO THE PUBLIC HEALTH, ETC., OF BROOKLYN.

\*\*\* The letters A and L following the titles indicate the location referring to the Astor and Lenox buildings respectively.

Brooklyn .- Health Department.

[ANNUAL REPORTS.]

#### 1851.

Annual report of the health officer [M. Wendell] of the number of deaths and their causes... during the year 1851. Brooklyn: E. B. Spooner, prtr., 1852. 41 pp. pap. 85. A

#### 1852.

Annual report, etc. Brooklyn: I. Van Anden, 1853. 20 pp. pap. 8°. A

1853.

Lacking.

1854.

Lacking.

1855.

Lacking.

1856.

Annual report, etc. Brooklyn: J. A. F. Kelly's Presses, 1857. 26 pp. pap. 8°. A

#### 1857.

Title changes to:

Annual report of the health officer [Warner Cleveland] for the year ending Dec. 31, 1857. Brocklyn: L. Darbee & Son, prtrs., 1858. 137 pp. pap. 8°.

#### 1858-1869.

Lacking.

#### 1870.

Report of the health officer from May I to Dec. 31, 1870. n. t. p. 12 pp. 2 folding this. 8°. A In: Proc. Common Council, 1871. v. 1.

#### 1870/1.

Report of the health officer [George Cochran], from July I to Dec. 31, 1870, and from Dec. 31, 1870, to Dec. 31, 1871. *Brooklyn: Daily Union* ... *Prtg. Establishment*, 1872. 29 pp. folding tbls. pap. 8°. A

1871-1878.

Lacking.

1878/5.

Title changes to:

Report of the Board of Health . . . May 8, 1873, to Jan. 1, 1875. New York: Collins & Session, 1876. 91 pp. folding charts. pap. 8°. A

#### 1875/7

Report of the Board of Health for the years 1875–1876 [for the two years ending May I, 1877].

n. p., n. d. 470 pp. I map. 8°. A
In: Common Council Docs., 1877. no. 39.

--- Same. Separate. cl. 8°.

1878-1884.

Lacking.

1885.

Title changes to:

Annual report of the Department of Health for the year 1885. Brooklyn: For the Corporation, 1886. 202, ii pp. pap. 8°. A

#### 1886.

Annual report, etc. *Brooklyn*, 1887. 200 pp. pap. 8°.

1887-1895.

Lacking.

1896.

Report, etc. *Brooklyn*, 1897. 405 (1) pp. pap. 8°.

—— Weekly report. v. 22, no. 51; v. 23, nos. 16-47; v. 24, nos. 15-32, 34-46, 48-53. Brooklyn, 1895-98. 8°. A

Brooklyn.—Health Board. Report of the special committee appointed to investigate "Certain rumors afloat affecting the character of one or more members of the board of health, etc." Brooklyn:
L. Darbee & Son, prtrs., 1857. 20 pp. pap. 8°. A

—— Public Health Committee. Report of the Committee... on the petition of John T. Hildreth and others. Brooklyn: L. Darbee & Son, prtrs., 1857. 35 pp. pap. 8°.

The report within these covers is on the petition of Charles Knox and others in relation to the rebuilding of a distillery and stables in the seventh ward.

— Minority report of the Committee . . . on the petition of Charles Knox and others [in relation to the distillery and stables situated in the seventh ward]. Brooklyn: L. Darbee & Son, prtrs., 1857. 12 pp. pap. A 250 copies ordered printed in pamphlet form.

— Health Board. Rules and regulations of the board of health, approved by the city council, Sept. II. and 18, 1868. [Brooklyn, 1868.] Broadside.

Laws and ordinances relating to the public health in the city of Brooklyn, and to prevent the spread of disease therein. Brooklyn: Eagle Print, 1870. 143, xli pp. 8°.

— Health Department. Memorandum on disinfection. July 18, 1873. [Brooklyn, 1873.] 2 l. 8°

———— Code of sanitary ordinances of the board of health. Browklyn: Daily Union . . . Prtg. Establishment, 1875. 47 pp. 8°. A

- Common Council. James Jourdan. Investigation in relation to his conduct as a member of the board of health, by a special committee of the board of aldermen, 1877. n. t. p. pp. 635-754.8°.
- Docs. addressed to Common Council, 1877. no. 33.
- Health Department. Rules and regulations governing the drainage and plumbing of new buildings, and the registration of plumbers, with act of June 4, 1881. Brooklyn Health Dept., 1882. 8 pp. 8°.
- ———— Code of sanitary ordinances of the department of health, 1882. Brooklyn: J. Keller, prtr., 1882. 70 pp. 8°.

- Typhoid fever in 1885. Preliminary report. [Brooklyn, 1885.] 2 ll. 8°. A
- Restriction and prevention of diphtheria, scarlet fever, measles, cholera, and other contagious or infectious diseases. [Brooklyn, 1885.] 12 pp. pap. 8°. A
- —— Report of the Rockville Centre Laboratory on the sanitary condition of the water supply. Brooklyn: Stevenson and Marsters, 1897.

  179 pp. diagr. tbl. 8° A

**Brooklyn** Homoeopathic Medical Society of the County of Kings. [Catalogue of officers, members, etc.,] May, 1885, 1886, 1887. Brooklyn, 1885-87. 48°. L

# CHECK LIST OF WORKS IN THE NEW YORK PUBLIC LIBRARY RELATING TO THE PARKS OF BROOKLYN.

\*\* The letters A and L following the titles indicate the location, referring to the Astor and Lenox buildings respectively.

# Brooklyn. - Park Department.

[Annual Reports.]

# 1860.

First annual report of the commissioners of Prospect Park [for 1860]. Brooklyn: L. Darbee & Son, prirs., 1861. 80 pp., 2 maps. cl. 8°.

Contains a history of the successive legislative enactments relating to the matter of parks for Brooklyn, the act organizing the Prospect Park Commission, and Egbert Viele's report on the topography and improvement of Prospect Park.

# 1861.

Second annual report, etc. [for 1861.] [Brooklyn, 1862.] 5 pp. 8°.

The report as printed in the reprint of 1873 contains a copy of the act passed May 2, 1861, amending the organic act of the department.

The 2.-8. reports are bound together in one volume, without a title-page, and separately paged.

Third annual report, etc. [for 1862.] n. t. p. 2 pp. 8°.

Bound with above.

## 1868.

Fourth annual report, etc. [for 1863.] n. t. p. 2 pp. 8°.

Bound with above.

#### 1864.

Fifth annual report, etc., for 1864. [Brooklyn, 1865.] 6 pp. 8°.

Bound with above.

The fifth report in the reprint of 1873 is accompanied by an appendix, being a report by Calvert Vaux on boundaries of the park.

# 1865.

Sixth annual report, etc. [for 1865.] Brooklyn: I. Van Anden's Print, 1866. 38 pp. 1 pl. 8°. A Bound with above.

In this edition the plate is a print of a wash drawing of a "Preliminary study of a design for Prospect Park," [by Olmsted, Vaux & Co]. In the reprint of 1873 the accompanying plate is a drawing of a "Preliminary map showing... surveys of Prospect Park... over areas included by present and proposed boundaries"... by Bancroft and Krause.

- Same. Separate, pap. 8°,

Seventh annual report, etc. [for 1866.] Brooklyn, 1867. 28 pp., 2 pl., 2 maps. 8°. Bound with above.

The maps are lacking in the reprint of 1873.

— Same, Separate, pap. 8°. – Same. (In: Proc. Common Council, 1866. v. 4.)

Report of the Brooklyn Park commissioners,

- Same. pp. [287–]441. 8°. A

### 1877.

Annual report of the commissioners for 1877. n. t. p. [107–]119 pp. 8°. In: Common Council Docs. 1878. no. 14.

Annual report, etc. n. t.  $\phi$ . [205-]247 pp. 8°. A Idem., 1879. no. 17.

# 1879.

Report of the Brooklyn Park commissioners. n. t. p. [205-]247 pp. 8°. In: Common Council Docs. 1879. no. 17.

#### 1867.

Eighth annual report, etc. [for 1867.] Brooklyn, 1868. 87, 17 pp. 6 pl. 8°. Bound with above.

- Same, Separate, 87 pp., 6 pl. pap. 8°. A 1868.

# Title changes to:

Ninth annual report of the Brooklyn Park Commissioners. [for 1868.] Brooklyn: Daily Union Print, 1869. 75 pp. 3 pls., 3 photogr. insets. pap. 8°. 1869.

Tenth annual report, etc. [for 1869.] Brooklyn: Eagle Print, 1870. 93 pp. 6 pls., 2 photogr. insets. pap. 8°. 1870.

Eleventh annual report, etc. [for 1870.] Brooklyn, 1871. 71 pp. 4 pls. pap. 8°.

Twelfth annual report, etc. [for 1871.] Brooklyn: For the commissioners, 1872. 59 pp. 4 pls. pap.

1872. Thirteenth annual report, etc. [for 1872.] Brooklyn, 1873. 47 pp. 4 pls. pap. 8°.

Fourteenth annual report, etc. [for 1873.] Brooklyn, 1874. 56 pp. 3 pls. pap. 8°...

#### 1874-1879.

No separate reports were published. The following takes

from January, 1874, to December 31, 1879. Brooklyn: For the commissioners, 1880. 157 pp. 2 pls. 7 photogr. insets. cl. 8°. Α

# 1878.

#### 1880.

Annual report [20] for the year 1880. *Brooklyn*, 1881. 47 pp. pap. 8°. A

### 1881.

Annual report [21], etc. *Brooklyn*, 1882. 39 pp. pap. 8°. A

—— Same. n. l. p. pp. [325-]363. 8°. A

In: Common Council Docs. 1882. no. 21.

#### 1882.

Twenty-second annual report, etc. Brooklyn, 1883. 69 pp. pap. 8°. A

#### 1888.

Twenty-third annual report, etc. Brooklyn, 1884. 61 pp. pap. 8°. A

#### 1884.

Twenty-fourth annual report, etc. Brooklyn, 1885. 54 pp. pap. 8°. A

#### 1885.

Twenty-fifth annual report, etc. Brooklyn, 1886. 85 pp. pap. 8°.

### 1886.

Twenty-sixth annual report, etc. *Brooklyn*, 1887. 56 pp. pap. 8°. A

# 1887.

Lacking.

#### 1888,

Twenty-eighth annual report of the department of parks for 1888. *Brooklyn*, 1889. 64 pp. 1 map. cl. 8°.

#### 1889.

Twenty-ninth annual report, etc. Brooklyn, 1890. 67 pp. 4 pl. cl. 8°. A

# 1890.

Thirtieth annual report, etc. Brooklyn, 1891. 46 pp. 4 pl. cl. 8°. A

### 1891-1892

Thirty-first and thirty-second annual reports, etc. Brooklyn, 1893. 76 pp. 5 pl. pap. 8°. A

#### 1893.

Thirty-third annual report, etc. Brooklyn, 1894. 55 pp. 5 pl. cl. 8°. A

#### 1894.

Thirty-fourth annual report, etc. *Brooklyn*, 1895. 83 pp. 18 pl. pap. 8°. A 1895.

Title changes to:

Thirty-fifth annual report of the department of parks of Brooklyn and the first of the county of Kings. *Brooklyn*, 1896. 167 pp. pls. cl. 8°. A

#### 1896.

Thirty-sixth annual report, etc. Brooklyn, 1897. 232 pp. pls. cl. 8°. A

Annual reports of the Brooklyn Park Commissioners. 1861–1873. Reprinted by order of the board, with such acts of the legislature in their amended form, as relate to the Brooklyn parks, and their management. [Brooklyn, 1873.] 567, 56 pp. pls. 8°.

— Park Department. Preliminary report to the commissioners for laying out a park in Brooklyn . . . being a consideration of circumstances of site and other conditions affecting the design of public pleasure grounds, by Olmsted, Vaux & Co. Brooklyn: I. Van Anden's Print, 1866. 31 pp. pap. 4°.

Tunis G. Bergen, one of the comrs. of estimate and assessment for the opening and improvement of Ocean Parkway, in favor of Assembly Bill No. 239, also admissions of the Brooklyn Eagle that the Ocean Parkway was constructed in opposition to the wishes of the property owners. n. p., n. d. [Brooklyn, 1878?] 7 pp. 8°.

—— Park Commission. Laws relating to the public parks, parkways and other property under the care and control of the Brooklyn Park Commission. Brooklyn: W. W. Davis, prtr., 1887. ivxi, 231 pp. 8°.

— Park Department. Report of special committee on destruction of the cottony maple scale, now destroying the soft maples of the city of Brooklyn. [Brooklyn, 1889.] 8 pp. 12°. A

—— Parks, Department of. Instructions to the police force of the Department of Parks in the city of Brooklyn, 1893. [Brooklyn,] 1893. 29 pp. 24°. A

—— Park Commission. Ordinance relating to the use of bicycles and tricycles in Prospect Park, etc. n.p., n. d. 1 l. 4°. A

# CHECK LIST OF WORKS IN THE NEW YORK PUBLIC LIBRARY RELATING TO THE FIRE DEPARTMENT OF BROOKLYN.

The letters A and L following the entries indicate the location referring to the Astor and Lenox buildings respectively.

Brooklyn .- Fire Department.

[ANNUAL REPORTS.]

#### 1863.

Annual report of the chief engineer for the E[astern] D[istrict] for the year ending Dec., 1863. n.t.p. 87 pp. 8°. A Proc. Common Council, 1864. v. 2.

\_\_\_\_ W[estern] D[istrict]. n.t.p. 74 pp. 8°. A

1864.

Annual report, etc. E. D. n. t. p. 221-281 pp. 8°. A Idem, 1865. v. 1.

— W. D. n. t. p. 119-195 pp. 8°. A

1865.

Annual report, etc. E. D. Lacking.

— W. D. s. t. p. 65-139 pp. 8°.

*Idem*, 1866. v. 1.

1866.
Annual report, etc. E. D. Lacking.

— W. D. n. t. p. 50-107 pp. 8°.

Idem, 1866. v. 4.

Second annual report of the Fire Marshal, for 1866. n. t. p. 35 pp. 8°.

A Idem, 1866. v. 4.

1867-1880.

Lacking.

1881.

Annual report, etc. n. t. p. [179-]210 pp. 8°. A In: Common Council Docs., 1882. no. 11.

1882.

Lacking.

1888.

Lacking.

1884.

Annual report for the year ending Nov. 30, 1884.

Brooklyn: The Corporation, 1885, 61 pp. pap.
8°. A

Brooklyn.—Fire Department Committee. An act to establish fire limits, and for the more effectual prevention of fires in the City of Brooklyn, passed April 16, 1852. Brooklyn: E. B. Spooner, printer, 1852. 12 pp. 8°. A

— Ordinances. An act to establish fire limits, and for the more effectual prevention of fires in the City of Brooklyn, passed April 12, 1855. Brooklyn, E. D.: Independent Press Print, 1855. 19 pp. 8°.

— Fire Department. Report of the chief engineer of the fire department of the eastern district of Brooklyn, in response to a resolution of the common councit, adopted January 8, 1855. Brooklyn: Independent Press Print, 1855. 12 pp. 8°. A

Report of the chief engineer of the fire department of the western district of Brooklyn, in response to a resolution of the common council, adopted, January 8, 1855. Brooklyn: Independent Press Print, 1855. 7 pp. 8°. A

Ordinances. An ordinance to establish a

— Ordinances. An ordinance to establish a Fire Department, regulate and define the duties and power of firemen, and to limit, define and prescribe the duties of fire wardens and others connected with that department. Brooklyn: L. Darbee & Son, 1857. 17 pp. 8°.

An ordinance to establish a Fire Department, &c., in the City of Brooklyn. Adopted Nov. 15, 1858. Brooklyn: L. Darbee & Son, printers, 1858. 24 pp. 8°.

— Fire Department. Semi-annual report of the fire marshal [Rufus R. Belknap] April 30, 1860. Brooklyn: A. H. Rome, prtr. [1860.] 16 pp. 8°. A

Common Council. The fire limits of the city of Brooklyn. Being copies of the acts of the Legislature and the various ordinances of the common council in relation thereto. Brooklyn: L. Darbee & Son, prtrs., 1861. 40 pp. pap. 8°. A

— Fire Department. Report of the chief engineer of the E. D. fire department of the city of Brooklyn. Transmitting a statement of the force of the department . . . Brooklyn: L. Darbee & Son, prtrs., 1863. 56 pp. pap. 8°. A

— Common Council. Fire limits of the city of Brooklyn, W. D., an act of the Legislature in relation thereto creating the department for the survey and inspection of buildings... Brooklyn: J. H. Tobitt, 1868. 35 pp. pap. 8°.

— Buildings Department. Fire limits of the city of Brooklyn. [An Act to amend an act entitled "An act to establish fire limits in the city of Brooklyn... passed April 30, 1866," passed May 6, 1868...] Brooklyn: J. H. Tobitt, prtr., 1868. 36 pp. 85.

— Fire limits of the city of Brooklyn. [An act . . . passed May 5, 1869.] Brooklyn, 1869. 36 pp. 8°.

— Fire and Buildings Department. Fire and buildings law, for the survey and inspection of buildings; also, the fire limits as established. Brooklyn, N. Y., 1873. 24 pp. 8°. A

- Fire and buildings law, for the survey and inspection of buildings; also, the fire limits as established. Passed June 5, 1875. Brooklyn, 1875. 27 pp. 8°.
- —— —— Same. Passed June 21, 1875. Brooklyn, 1881. 32 pp. 12°. A
- —— Ordinances. Fire and building laws. For the survey and inspection of buildings . . . Brooklyn, 1875. Il., 27 pp. pap. 8°. A
- Theatre... December 5, 1876. Special report of the Fire Marshal. Official list of those who lost their lives by the accident. Evidence taken by Fire Marshal Keady as to the cause of this fire. [Brooklyn, 1876.] I. p. l., 1153-1220 pp. pap. 8°. (Doc. no. 30.)
- Common Council. Brooklyn Theatre Fire Memorial services held at the Academy of Music' Hooley's Opera House and Park Theatre, Brooklyn, Dec. 10, 1876, together with proceedings of the Common Council, relative to the burial of the dead. Brooklyn: Daily Times Prts., 1876. 72 pp. pap. 8°.
- —— Building Department. Fire and building laws. For the survey and inspection of buildings . . . Brooklyn, 1879. 32 pp. pap. nar. 8°. A
- ---- Fire Department. Corrected running card and locations of fire alarm boxes in the city of Brooklyn. Revised and adopted June 15, 1886. [Brooklyn, 1886.] 12 ll. 4°. A

Our firemen: the official history of the Brooklyn Fire Department. *Brooklyn*, 1892. 4°. A

Brooklyn. - Water Commission. Brooklyn Water Works. Statement of water pipes laid during the seasons of 1857, 1858 and 1859; together with a report by Mr. J. H. Rhodes . . . on the manufacture of cast iron pipes, January, 1860. New York: Hosford & Co., prtrs., 1860. 53 pp. pap.

- Brooklyn Water Works. Reports by mechanical engineers on trials of duty made in 1857 and 1859, upon the Brooklyn, Hartford, Belleville and Cambridge pumping engines. New York: Hosford & Co., prtrs., 1860. 84 pp., 6 diag., 2 tab. pap. 8°.

- A report on the extent and character of the district supplying water to the city of Brooklyn. By Theodore C. Weston. With a communication in relation to the same from James P. Kirkwood, and an analysis of the water of the Jamaica reservoir by Prof. A. K. Eaton. Brooklyn, 1861. 66 pp., pl. cl. 8°.

- Rules and regulations adopted by the board of water commissioners...in relation to water. Brooklyn: E. B. Spooner & Son, prirs., 1862. 16 pp. pap. 24°.

- Communication to the Board of Water Commissioners relative to the second distributing main from Ridgewood reservoir, by J. P. Kirkwood, chief engineer. Brooklyn: L. Darbee & Son, 1862. 12 pp. pap. 8°.

- Brooklyn water works. Reports on trials of duty and capacity of the pumping engines No. 2, at Ridgewood, and of No. 1, at Prospect Hill, made in 1861-'2. New York: John F. Trow, 1862. 47 pp. pap. 8°. ·

 Water and Sewerage Commissioners. Laws relating to the permanent Board of Water and Sewerage Commissioners of the city of Brooklyn. Brooklyn: Eagle Prt., 1871. 32 pp. pap. 8°.

· Law, Water and Drainage Joint Committee. [Statement of the views and position of the Board of City Works in relation to the completion of the new Storage Reservoir in Hempstead Valley, ... June 8, 1875.] [Brooklyn, 1875.] 47 pp. pap. 8°.

- City Works Department. Report on the proposed extension of the water works (east of Rockville Centre.) Nov. 23, 1885. n. p., n. d. 42 pp., 3 foldg. pls. pap.

- Water Rents Bureau. Scale of water rents. [Brooklyn,] 1886. 11 pp. 32°. (City Works Depart-

- Mayor. The water supply, its proposed increase. The money available for improved pavements, new sewers... Message of the Hon. A. C. Chapin, mayor, July, 1889. Brooklyn, 1889. 10 рр. 1 map. 8°.

 The proposed purchase of the plant, franchises and other property of the Long Island Water Supply Co. Message of the Hon. A C. Chapin . . . and Hon. T. F. Jackson, . . . June 8, 1891. [Brooklyn, 1891.] 39 pp. pap. 8°. A

Brooklyn. City Works Department. Report on future extension of water supply for the city of Brooklyn. Brooklyn, 1896. 75 pp. 12 maps, 1 table, 3 diagr. F°.

**Leeds** (Albert R.) Report on the results of the chemical and microscopical examination of the water supply of Brooklyn, [Brooklyn,] 1897. xii, 135 pp. 6 pls. pap. 8°. (Brooklyn City Works Dept.)

# PRINCIPAL ACCESSIONS IN FEBRUARY.

# BIOGRAPHY AND GENEALOGY.

Arthur (Mrs. G. D. F.) Annals of the Fowler family. Austin, 1901. 8°.

Austin (M. S.) Philip Freneau, the poet of the Revolution. New York, 1901. 8°.

Banta (T. M.) Sayre family. New York, 1901.

**Bayley** (H.) The tragedy of Sir Francis Bacon: an appeal for further investigation and research. *London*, 1902. 8°.

**Boase** (F.) Modern English biography... of persons who have died since... 1850. v.3. *Truro*, 1902. 4°.

**Bowdoin** (W. G.) James McNeill Whistler, the man and his work. *New York*, 1901. 8°. Gift of M. F. Mansfield & Co.

Champion (L.) Jeanne d'Arc, écuyère. Paris, 1901. 8°.

Cruttwell (M.) Andrea Mantegna. London, 1901. 8°.

(The great masters in painting and sculpture.)

**Hibbard** (A. G.) Genealogy of the Hibbard family. *Hartford*, *Conn.*, 1901. 8°.

Hoffman (T. W.) A sailor of King George. London, 1901. 8°.

Leach (J.G.) History of the Binghurst family. Philadelphia, 1901. 4°.

Murray (J.) Letters of J. Murray, loyalist. Boston, 1901. 8°.

**Perkins** (F. M.) Giotto. *London*, 1902. 8°. (Great masters in painting and sculpture.)

**Sherborn** (C. D.) A history of the family of Sherborn. *London*, 1901. 8°. Gift of S. P. Avery.

**Smith** (Sir H. G. W.) The autobiography of Sir Harry Smith. London, 1901. 2 v. 8°.

**Towne** (E. E.) The descendants of William Towne. *Newtonville*, 1901. 8°.

Van Meter (B. F.) Genealogies and sketches of some old families of Virginia and Kentucky. Louisville, 1901. 8°.

**Vorce** (C. M.) A genealogical and historical record of the Vorce family in America. *Cleveland*, 1901. 8°.

Wiegand (W.) Friedrich der Grosse. Bielefeld. 1902. 4° (Monographien zur Weltgeschichte. Bd. 15.)

# NORTH AMERICA AND THE WEST INDIES— HISTORY AND DESCRIPTION.

**Beekman** (G. C.) Early Dutch settlers of Monmouth county, New Jersey. Freehold, N. J., 1901. 8°.

**Blake** (E. V.) History of the Tammany Society, from its organization to the present time. New York [cop. 1901]. 4°. Gift of T. L. Feitner, Boston, Mass.—Aldermen, Board of. Records of the colony of the Massachusetts Bay, 1630–1692... Vol. 1. Boston, 1901. I v. 8°. Gift of John Noble.

Carnarvon (4. earl), H. H. M. HERBERT. Speeches on Canadian affairs. London, 1902. 12°.

**Centennial** (A) biographical history of the city of Columbus, and Franklin County, Ohio. *Chicago*, 1901. 4°.

**Dubé** (C.) La constitution haïtienne de 1889 et sa révision. *Paris*, 1901. 2. ed. 12°.

Edwards (Rev. J.) An illustrated history of Spokane County, Washington. n. p., 1900. 4°.

Fifth Ward Whig Committee Electors, New York City. [Minutes of the meetings held at the Marion House, 1840–1850; with names and residences of members, printed notices, newspaper cuttings, etc. Manuscript.] [New York, 1840–50.]

**Fitchburg.**—City Council. The old records of the town of Fitchburg, Mass. Compiled by W. A. Davis... Vol. 4. Fitchburg, 1901. 8°.

Fuller (J.F.) The First Congregational Church, Appleton, Wis., 1850-1900. Appleton, 1900. 4°.

Hanna (C. A.) The Scotch-Irish. New York, 1902. 2 v. 8°.

**Hatch** (D. R.) Civil government of Colorado. *Denver*, 1901. 7. ed. 8°.

Lee (F. B.) New Jersey as a colony, and as a state. New York, 1902. 4 v. 8°.

Lyman (W. D.) An illustrated history of Walla Walla County, Washington. n. p., 1901. 4°.

Remick (O. P.) A record of the services of the commissioned officers and enlisted men of Kittery and Eliot, Maine, 1776. Boston, 1901. 8°.

**Smaller** New York and family reminiscences: De Rham, Schmidt, Bache, Barclay, Paul Richard. [By O. E. Schmidt.] [New York, 1899.] 8°.

Stone (W. L.) Washington county, New York. Its history to the close of the nineteenth century. [New York,] 1901. 8°. Gift of S. C. Wade,

Wiseman (C. M. L.) Pioneer period and pioneer people of Fairfield County, Ohio. *Columbus*, 1901. 8°.

### EUROPE-HISTORY AND DESCRIPTION.

Adams (G. B.), and Stephens (H.M.) Select documents of English constitutional history. New York, 1901. 8°.

Aulard (A.) Études et leçons sur la Révolution française. Ser. 3. Paris, 1902. 12°.

**Berner** (E.) Der Regierungs- Anfang des Prinz- Regenten von Preussen und seine Gemahlin. *Berlin*, 1902. 8°.

(Quellen und Untersuchungen zur Geschichte des Hauses-Hohenzollern.)

Corlette (H. C.) The cathedral church of Chichester. London, 1901. 12°. (Bell's Cathedral series.)

De Windt (H.) Finland as it is. London,

Eistel ([A.] G.) Le tour Eistel en 1900. Paris, 1902. sq. f

Hoerstel (W.) Die Riviera. Bielefeld, 1902. (Land und Leute, v. 11.)

Miller (W.) Mediæval Rome. New York, 1902. 12°.

(The story of the nations.) Port of Manchester. A sketch of the history of the Manchester Ship Canal. Manchester, 1901.

Gift of Manchester Ship Canal Co.

Silbergleit (H.) Magdeburg's Industrie, Handwerk und Handel und deren gewerbliche Steuerkraft. Magdeburg, 1901. 4°.

Victoria (The) history of the counties of England, Hertfordshire. V. I. Westminster, 1902. I v. f°.

Wrangel (E.) De Betrekkingen tusschen Zweden en de Nederlanden. Leiden, 1901. 4°. Zabel (E.) Moskau. Leipzig, 1902. 4°. (Beruehmte Kunststätten, no. 12.)

# RUSSIA, BULGARIA, ETC.

Bulgaria. - Statistique, Bureau de. Mouvement commercial de la Bulgarie avec les pays etrangers, etc. Dec., 1895-Dec., 1896, July, 1897. Sophia, 1896-97. 4°.

Bulgaria. - Statistique, Bureau de. Naissances, décés et mariages pendant l'année 1893. Sophia, 1896. 4°.

Bulgaria. - Statistique, Bureau de. Statistique des mouvements de la navigation pendant les années 1891–1894. Sophia, 1895. 4°.

Studnicki (L.) Die Wahrheit über Sibirien. Berlin, 1899. 12°.

Свобода, всекидневенъ вветникъ. 1892. Sofia, 1892. f°. Daily paper.

Владимірокій Календарь и справочная книга на 1902 г. Vladimir, 1901. 8°.

Владимірозсій Губернекій Статистическій Комитеть. Отчеть за 1900 г. Vladimir, 1901. 8°.

Statistics.

Горысій (М.) Разсказы. v.5. St. Petersburg, 1901. 12°.

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Мольниковъ (П. И.) (Андреі Печерскій) Полное собраніе сочиненій. St. Petersburg, 1897-'98. 14 v. 12°. Fiction.

Mipъ Bosciž. Jan. 1902. St. Petersburg, 1902. 8°.

Periodical (current).

Писаревъ (Д. И.) Сочиненія. Полное собраніе. St. Petersburg, 1894. 6 v. in 3. 8°. Essays and criticism.

IIJOTHERICOBE (A.  $\theta$ .) Kpan. St. Petersburg, 1901. 8°. Description of Siberia

Pycckas Milical 1902. Periodical (current).

Справочная Еснига по вопросамъ образованія Евреевъ. St. Petersburg, 1901. 8°.

Education of Russian Jews.

# AFRICA-HISTORY AND DESCRIPTION.

Bégouën ( ), comte. Notes et documents pour servir à une bibliographie de la Tunisie. Paris, 1901. 8°.

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# ASIA-ARCHÆOLOGY, HISTORY, DE-SCRIPTION.

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Duret (T.) Livres & albums illustrés du Japon réunis et catalogués. Paris, 1900. 4°. (Bibliothèque nationale. Dépt. des estampes.)

Harmer (E. G.) The story of Burma. London, 1901. 12°.

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Schurman (J. G.) Philippine affairs. New York, 1902. 8°.

NINETEENTH CENTURY-HISTORY.

**Emerson** (E.), *jr*. A history of the nineteenth century year by year. *New York*, 1901. 3 v. 8°. Gift of the author.

# ANCIENT HISTORY.

Seeck (O.) Geschichte des Untergangs der antiken Welt. Bd. 2. Berlin, 1901. 8°.

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Hart (J.) Argonaut letters. San Francisco, 1901. 8°.

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ART, SCULPTURE, THE STAGE, ETC.

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**National** (The) Portrait Gallery, edited by L. Cust. v. I. *London*, 1901. f°. Gift of S. P. Avery.

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# LITERATURE.

Cuche (A.), and Delrue (A.) Ma tante! Comédie en deux actes. Paris, 1901. 12°.

**Deyssel** (L. van). Verzamelde opstellen. Bundel 6. Amsterdam, 1901. 8°.

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Congrès des sciences politiques de 1900. Les états-unis d'Europe. Paris, 1901. 8°.

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(Université de Paris.—Faculté de droit.)

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# MATHEMATICS, PHYSICS, CHEMISTRY, HYGIENE, ETC.

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**Hammer** (E.) Sechsstellige Tafel der werte  $\underset{1}{\overset{10}{\text{To}}} \frac{1 \times x}{1-x}$ . Leipzig, 1902. 4°.

Rayleigh (3. baron), J. W. STRUTT. Scientific papers. v. 3. Cambridge, 1902. 4°.

Travers (M. W.) The experimental study of gases. London, 1901. 8°.

Treadwell (F. P.) Kurzes Lehrbuch der analytischen Chemie. Bd. 1. Leipzig, 1902. 8°.

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**Bellair** (G.), and **Bérat** (V.) Les chrysanthèmes. Paris, 1902. 4. ed. 12°.

(Bibliothèque d'horticulture.)

**Kostersits** (N.) Ueber Bergobservatorien und das astrophysikalischmeteorologische Höhenobservatorium im Semmeringgebiete bei Wien. *Wien*, 1901. 8°.

**Stillman** (W. J.) Billy and Hans; a true story [about two squirrels]. *London*, 1901. 16°.

# NAVAL SCIENCE AND HISTORY.

**Deutsche** (Die) Flotte. *Stuttgart*, 1901. ob. 8°.

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# Applied Science and Useful Arts.

**Boide** (B.) De la prime à la culture du lin et du chanvre. *Paris*, 1901. 8°.

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(Wirtschafts-u. Verwaltungsstudien mit besonderer Berücksichtigung Bayerns, 12.)

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**Neues** Flensburger Koch-Buch. *Flensburg* [1901]. 8°.

[Perret (A.)] La parfumerie. Paris, 1901.

(Petite encyclopédie de chimie industrielle pratique, no. 21.)

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PHILOSOPHY, PSYCHOLOGY, ETC.

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(Grenzfragen des Nerven- und Seelenlebens. Heft 8.)

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(Bibliothèque des sciences contemporaines, 2 ser., v. 5.)

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# Volume VI · Number 4 April 1902

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# REPORT FOR MARCH.

# REFERENCE DEPARTMENT.

During the month of March there were received at the Library, by purchase, 2,340 volumes and 1,475 pamphlets; by gift, 4,542 volumes, 5,836 pamphlets, 48 maps, and 207 prints; and by exchange, 105 volumes and 5,416 pamphlets.

There were catalogued 6,219 volumes and 2,512 pamphlets, for which purpose 7,806 cards and 341 slips were written for the printer, and 3,654 slips were written for, and 14,717 cards were received from, the copying machine.

The following table shows the number of readers, and the number of volumes consulted, in both the Astor and Lenox Branches of the Library, also the number of visitors to the Print Department at the Lenox, during the month:

	Leņox.	Astor.
No. of readers and visitors	5,869	10,858
No. of readers	3,091	10,858
No. of readers, desk applicants	1,472	9,733
No. of volumes consulted by desk applicants.	6,488	31,903
Daily average of readers	119	418
Number of visitors to Print Exhibit, etc	3,700	

# CIRCULATION DEPARTMENT.

The most popular books for the month were (in non-fiction): Riis's "Making of an American," Evans's "A Sailor's Log," and Baldwin's "Old Stories of the East;" (adult fiction) Parker's "Right of Way," Johnston's "Audrey," and Wharton's "Valley of Decision;" (juvenile fiction) Baldwin's "Fifty Famous Stories Retold," Lang's "Blue Fairy Book," and De Foe's "Robinson Crusoe."

# CIRCULATION STATISTICS.

BRANCHES.	CIRCULATION.		NEW	READERS IN READING ROOM.		VOLUMES
	HOME USE.	TOTAL.	TIONS.	MINORS.	TOTAL.	ACCES SIONED.
Bond Street	11,951	12,514	225	1,237	4,459	186
Ottendorfer	19,235	20, 373	337	2,028	4,280	160
George Bruce	13,361	16,154	212	1,959	2,793	150
Jackson Square	12,722	13,843	171	537	2,738	115
Harlem	12,672	13,684	235	1,189	2,143	80
Muhlenberg	10,634	12,937	173	1,119	2,303	102
Bloomingdale	17,860	19,270	263	1,719	3,026	107
Riverside	1,189	1,561	24	539	899	60
Yorkville	17,455	18,526	269	691	1,071	274
Thirty-fourth Street	5,915	8,020	100	1,455	2,105	142
Chatham Square	17,169	17,936	315	691	767	125
St. Agnes	14,295	15,884	203	912	2,928	264
Washington Heights	9,393	10,472	136	3, 166	5,509	171
Travelling	23,543	23,543				577
!	187,394	204,717	2,663	17,242	35,021	2,513

The more important gifts of the month were:—From Mr. Frederic Amory, two privately printed volumes of family history, one of the Greene family and the other of Hugh Amory and his descendants; from Mr. S. P. Avery, 17 volumes, 1 pamphlet, 192 prints, and 2 portfolios of reproductions of drawings by Rembrandt van Rijn; from the Chamber of Commerce of Boulogne-sur-Mer, publications of the Chamber, 15 volumes, 16 pamphlets, and 1 map; from the Bunker Hill Monument Association, 2 volumes and 6 pamphlets, proceedings, etc.; from the Century Association, 431 volumes and 1,291 pamphlets, chiefly magazines; from the Earl of Crawford, no. 29 of 100 copies printed of "Collations and Notes," no. 6, collating the Bulletin de l'Assemblee and Convention Nationale, 22 Sept., 1792-4 brumaire an IV. (26 Oct., 1795); from Mrs. Henry Draper, a collection of English and American Literary Annuals, amounting to 400 volumes, also 66 volumes and 18 pamphlets; from Stuyvesant Fish, 3 of his Addresses; from the Fitchburg Railroad Company, 9 of their Annual Reports; from Worthington C. Ford a reprint of the "Journals of the House of Representatives of His Majesty's Province of Massachusetts-Bay, 1715," edited by himself; from Frederick Trevor Hill, 2 copies of his "Care of Estates;" from Louis Leblois, a copy of "Les Bibles et les Initiateurs Religieux de l'Humanité," 7 volumes; from Alexander Maitland, 11 Broadsides relating to New York City during the period of the Civil War; from J. Pierpont Morgan, a signed copy of the "Catalogue of a Collection of Books formed by James Toovey," owned by Mr. Morgan; from Fordham Morris, 388 volumes and 96 pamphlets, including Journals of the Royal Agricultural Society, Coate's Herd Book, Transactions of the New York State Agricultural Society, etc.; from Prince Golitzin, Mayor of Moscow, 10 volumes and 8 pamphlets

of City documents; from the New York State Colonization Society, 114 volumes and 8 pamphlets; from Mrs. Anna P. Pruyn, "Memoirs of an American Lady, etc," by Mrs. Anne Grant, with a Memoir of Mrs. Grant by James Grant Wilson; from Mrs. Simon Sterne, 2,375 volumes and 2,442 pamphlets from the library of the late Simon Sterne, a valuable and interesting collection of works on economics, economical and political history, statistics, finance, legislation, labor, etc., including numerous works on the economics, finance and jurisprudence of American and foreign railroads, and periodicals and official reports relating thereto.

The exhibition of lithographs by Fantin-Latour at the Lenox Branch has been partially replaced by an exhibition of Dante Gabriel Rossetti prints. At the Astor Branch some of the Fantin-Latour lithographs have been put in place of the "Paris Exposition" plates.

The exhibitions at the circulation branches have been as follows: For February—Bond Street, Danish West Indies, Lincoln, McKinley, Washington; Ottendorfer, Opera, New books, Dante, Prince Henry, Victor Hugo, Interesting books for children, Lincoln, Washington, Some royal sailors; George Bruce, Washington, Lincoln; Harlem, Germany; Muhlenberg, Washington, Lincoln; Bloomingdale, American history, College stories, Washington, Lincoln, Rambles in Germany; Riverside, New books; Yorkville, Washington, Lincoln, Longfellow; Thirtyfourth Street, Washington, Lincoln; Chatham Square, Opera, Drama, Prince Henry, Washington, Franklin, Morse; St. Agnes, Madonnas, English authors, American authors, Lincoln, Washington, St. Valentine's Day; Washington Heights, Washington, Lincoln, Old favorites (fiction).

For March they were as follows: Bond Street, Birds; Ottendorfer, Goethe, Music and musicians, New books, Russian books, Picturesque America, Foreign travel, Indians of America, Morocco, Edward Everett Hale, Cecil Rhodes, Panama canal, Good books for children, Spring; George Bruce, Easter; Jackson Square, Easter; Harlem, Cecil Rhodes, Pirates; Bloomingdale, Books for primary grades, Mechanic trades, Electricity; Thirty-fourth Street, Birds; Chatham Square, Charles Dickens, Napoleon, China, Birds; St. Agnes, Easter, People and books being talked about, Edward Everett Hale.

# CHARLES DICKENS TO L. GAYLORD CLARK ON MARTIN CHUZZLEWIT, IN 1843.

Printed from the original in the Theodorus Bailey Myers collection in the New York Public Library.

London. I Devonshire Terrace
York Gate Regents Park.
Second March 1843

My DEAR CLARK

Let us lay a wager upon that copyright business. What impossible odds shall I set against some piece of property of yours, that we shall be in our graves and out of them again in particles of dust, impalpable, before those honest men at Washington, in their earthly riots, care one miserable damn for Mind?

You will not take it ill when I tell you that the last-sent Nicks\* remain uncut. When I resolved on shipboard coming home, to write upon America, I solemnly determined with myself that I would never read an American criticism on the book. Innumerable newspapers have been sent to me across the Atlantic since its publication. If there were anything to pay, they have gone back to the Post Office; if nothing, they have gone, unopened, into the fire.

I have never once departed from my resolution in the least degree. And I feel the wisdom of it, in my good spirits and good humour.

I don't think you will like Chuzzlewit less, as it goes on. I particularly commend M<sup>r</sup> Pinch, and a sister of his who will one day appear upon the scene, to your favorable consideration.

Ah! That unfulfilled promise! If I ever have a scene of Chuzzlewit written early enough to send to you—but I will not lay down any more pieces of stone in the Infernal Pavement. Nous verrons.

M<sup>rs</sup> Dickens sends her best regards to yourself and M<sup>rs</sup> Clark; in which I cordially join.—Last Thursday twelvemonth, we dined at your house.

Always faithfully yours
CHARLES DICKENS.

L. GAYLORD CLARK Esquire.

[Addressed:] By Mail Steamer.

L. Gaylord Clark Esquire

New York

United States.

<sup>\*</sup> Knickerbocker Magazine, of which Clark was editor.

# A LIST OF WORKS IN THE NEW YORK-PUBLIC LIBRARY RELATING TO PRICES.

\* All works listed below are in the Astor branch unless otherwise stated. This list includes most of the important articles on the subject, but it is by no means exhaustive. The student should also consult Poole's Index for other magazine articles; the Belgian, British, French, consular reports, and the various official gazettes (such as The London Gasette), statistical abstracts, and trade journals. A list of statistical periodicals in the library was printed in the Bulletin for March, 1900, volume 4, number 3; and of technical and industrial periodicals in the same, November and December, 1898, volume 2, numbers 11 and 12. Reference should be made also to the Index Catalogue in the reading-room under the related headings of wages, corn laws, money, value, etc., etc., and to the lists on these subjects in following numbers of the

# The arrangement is chronological, under the following main groups:

I. HISTORY AND STATISTICS (general and re-	THEORY OF PRICESpp. 132 to 133
. gional)pp. 115 to 126	TRUSTS AND PRICES p. 133
INDEX NUMBERSpp. 126 to 129	II. PRICES OF VARIOUS ARTICLES (alphabetical
MONEY AND PRICESpp. 129 to 132	by names of articles, with chronological
REGULATION OF PRICES p. 132	subarrangements by countries)pp. 133 to 159

#### HISTORY AND STATISTICS.

# General.

Falkner (R. P.) Theory and practice of statistics of price. (American Statistical Association. Proceedings. v. 3, pp. 119-140. Boston, 1892. 8°.)

Brämer (K.) Zur Theorie und Praxis der internationalen Preisstatistik. (Zeitschr. Preuss. Stat. 18. Jahrg., 1878, pp. 95-131. Berlin, 1878. 8°.)

# Ancient.

Salluzzi (Paolina). Sui prezzi in Egitto nell' etá tolemaica. (Rivista di storia antica. n. s. anno 6, pp. 9-57. Messina, 1901.)

Friedländer (L.) Ueber den Kornpreis und den Sachwerth des Geldes in der zeit von Nero bis Trajan. (Jahrbücher für Nationalökonomie und Statistik. v. 12, pp. 306–308. *Jena*, 1869. 8°.)

Edict (An) of Diocletian, fixing a maximum of prices throughout the Roman Empire. A. D. 303. [Edited by W. M. Leake.] London: John Murray, 1826. 42 pp. 8°.

Michaelis (H.) Kritische Würdigung der Preise des edictum Diocletiani von nationalökonomischen standpunkte aus. (Zeitschrift für die gesammte Staatswissenschaft. v. 53, pp. 1-50. Tübingen, 1897. 8°.)

### Modern.

[Prices of grain, agricultural produce, meat, provisions, merchandise, etc., in foreign countries, 1831-1851.] (In: Tables of revenue, population and commerce of the United Kingdom . . . 1833-1854, pt. 3-9, and in supp. to same, pt. 12, 14, 18.)

· Same, 1851-59. (In: Statistical tables relating to foreign countries, 1855-1861. pt. 1-7.)

Great Britain. - Foreign Office. Agriculture . . . Instructions addressed to, and . . . reports re-

ceived from, His Majesty's consuls abroad, with respect to . . . agriculture, and the condition of the population, within the districts of their consulates, 1833-1835. [The average price of meat and other articles of food, the wages of labourers and the price of articles of clothing worn by them.] [London, 1836.] 170 pp. F°. (Great Britain. Parl. Papers. Sess. 1836, (84), v. 47.)

Movement of prices, 1840-94, Sauerbeck, London Economist, U. S. Senate tables. Washington, 1895. 22 pp. 1 pl. 4°. (U. S. Statistics Bureau.)

Great Britain.—Foreign Office. Abstract of reports on the trade of various countries and places .. 1855-1856 . . . from Her Majesty's ministers and consuls. [Prices of grain, cotton, provisions, woollen yarn, calico, etc.] [London,] 1857. iv, 135 pp. F°. (Great Britain. Parl. Papers, 1857. sess. I [2201], v. 16.)

Laspeyres (E.) Welche Waaren werden im Verlaufe der Zeiten immer theurer? Statistische Studien zu Geschichte der Preise. (Zeitschrift für die gesammte Staatswissenschaft. v. 28, pp. 1-89. Tübingen, 1872. 8°.)

Cycles in Prices. (Banker's Magazine. vol. 33, pp. 617-618. New York, 1879. 88.)

Giffen (Sir Robert). On the fall of prices of commodities in recent years. (Royal Statistical Society Journal. v. 42, pp. 36-78. London, 1879. 8°.)

· De la perspective d'une baisse générale des prix. (L'Économiste français. 7. année, vol. 1, 1879, pp. 197-199. Paris, 1879. F°.)

Scudder (M. L.), Jr. Congested prices. Chicago: Jansen, McClurg & Co., 1883. 52 pp.

Leroy-Beaulieu (Paul). La baisse des prix et la crise commerciale dans le monde, causes alléHistory (Modern), cont'd.

guées, remèdes proposés. (Revue des deux mondes. May 15., 1886, 56 année, pp. 383-418. Paris, 1886. 8°.)

Sauerbeck (Augustus). Prices of commodities in 1886 and 1887. (Royal Statistical Society. Journal. v. 51, pp. 154-157. *London*, 1888. 8°.)

- Prices of commodities during the last seven years [with a discussion of the paper]. n. t. p. [London: Harrison & Sons, 1893.] 40 pp., 4 tab.

Repr.: Jl. of Roy. Statis. Soc., June, 1893.

 Prices of commodities. [Statistical tables, published annually from the year 1886 to date.] (Jour. Roy. Statist. Soc. v. 51-date. London, 1888-date.)

Prices in Great Britain, Germany, France and the United States. (Quarterly Journal of Economics. v. 1, pp. 385-389. Boston, 1887. 8°.)

- Prices of commodities in 1894. (U. S. Monthly Summary, etc. ser. 1894/5, pp. 1231-1241.)

Summary of index numbers. Groups of articles, 1867-77, with graphic table, fluctuations of prices, etc.

). Sinken der Preise auf dem Weltmarkt. (Die Neue Zeit. 14. Jahrgang, Bd. 1, 1896, pp. 473-474. Stuttgart, 1896. 8°.)

United States.-– Foreign Commerce Bureau. Money and prices in foreign countries, reports upon currency systems of various nations in their relation to prices of commodities and wages of labor. Washington, 1896-97. 2 v. 8°. (Spec. Cons. Rpt. v. 13.)

Same. 54 cong., 2d sess. H. doc. 25. Zur Statistik der Preise. (Vierteljahrshefte zur Statistik des deutschen Reichs. Jahrg. 6 (1897) and following.)

Prices of grain and foodstuffs in principal cities of the world, drawn from fournal de l'Agriculture (Paris), Internationalen Fleischerzeitung, official price reports of Breslau Börse,

Foreign and domestic prices of American products. (U. S. Industrial Commission. Reports.

v. 13, pp. 725-911.)

Tables of prices and wages are given for products that are the subject of operations of trusts, as glass, rubber, thread, baking powder, etc.

# By Countries.

Australia.

Wood (George H.) Changes in average prices in New South Wales, 1820-98. (Jour. Roy. Statist. Soc. v. 64, pp. 661-676. London, 1901.)

Course of trade and prices in Melbourne (Australia), 1852-9. (Royal Statistical Society Journal. v. 22, pp. 421-423. London, 1859. 8°.)
Reprint from the Melbourne Argus.

# Austria-Hungary.

Lechner (K.) Zur Geschichte der Preisen (Mähren, 1719-21). (Notizenblatt des Vereins für die Geschichte Mährens und Schlesiens, 1896. pp. 151, 172. Brünn, 1897. 8°.)

Ruhland (G.) Die Agrarfrage und das internationale Grosskapital. Wien: Mayer & Co., 1895. 23 pp., I chart. 8°. (Oesterreichische Leo-Gesellschaft. Vorträge und Abhandlungen. No. 1.)

Szarski (M.) D. Gründe d. Preisefalles der Waren. (Mitteilungen d. k. k. Finanzministeriums. 1899. pp. 530-35. Wien, 1899. 4°.)

# Bulgaria.

Mouvement commercial de la Bulgarie avec les pays étrangérs; mouvement de la navigation par ports; prix moyens dans les principales villes pendant le mois de Décembre, 1895[-Dec., 1896, July, 1897]. Sophia, 1896-97. 4°.

# Canada.

Canso Garrison. Subsistence accounts, 1729-1731. 16 ll.
Manuscripts, at the Lenox branch.

Prices current for November, 1840, of agricultural produce and farming stock in Upper Canada. Retail price of provision and clothing in the Home District. (In: Second report from the Select Committee on Emigration, Scotland . . . London [1841]. Append., pp. 46-47. Great Britain. Parl. Papers. 1841, sess. 1 (333), v. 6.)

**Peat** (J. B.) Effect of fall of prices in Canada. (Canadian Magazine, v. 6, pp. 210-220. Toronto, 1896. 8°.)

China.

**Denby** (C.) Decline in the value of silver and the commerce of China. 1886. (U. S. Cons. Rpts.

W. 21, pp. 508-509. Washington, 1886. 8°.)
With tables of prices for 4½ chop Faatlee silk, Jan. 1, 1876-86, and tael price for tea at Hankow, at opening of season, 1876/77-1887/88.

Gournay (H.) La monnaie et les prix in Chine. (L'Économiste français. 26 année, vol. 1, pp. 500-502. Paris, 1898.

#### Denmark.

Prisen paa Jord i de sidste 10 Aar, af Marcus Rubin, Direktor for Statens Statistiske Bur. Kjöbenhavn, 1896. [Review.] (Zeitschr. Preuss. Stat., 36. Jahrg., 1896, 154-156.)

# Europe.

Increase of prices in Europe, 1871-73. (Banker's Magazine. v. 34, pp. 265-272. New York, 1880.

# France.

Avenel (G. d') Histoire économique de la propriété, des salaires, des denrées et de tous les prix en général depuis l'an 1200 jusqu'en l'an 1800. Tome 1-4. Paris: Imprimerie nationale, 1894-98.

Reviewed by A. de Foville in L'Économiste français, 23 année, v. 1, pp. 455-457, 523-525 (Paris, 1895).

– La fortune privée à travers sept siècles. Paris, 1895. 12°.

- Paysans et ouvriers depuis sept siècles. (Rev. des deux mondes. v. 137, pp. 596-629, 818-850; v. 147, pp. 845-880; v. 148, pp. 424-451. Paris, 1896-98. 8°.)

Denis (H.) La dépression économique et sociale et l'histoire des prix. 2 v., text and atlas. xv. (1) 412 pp., 37 pl. Ixelles-Bruxelles: J. J. Huysmans, print., 1895. 8° and F°.

Levasseur (P. E.) Les prix aperçu de l'histoire économique de la valeur et du revenue de la terre en France du commencement du xiiie siècle à la fin du xviiie. Avec un appendice sur le prix du froment et sur les disettes depuis l'an 1200 jusqu'à l'an 1891 . . . Paris : Chamerot et Renouard, 1893. 148 pp., table. 8°.

Prix de divers objets au moyen âge. (Journal des Économistes. v. 19, pp. 208-210. Paris, 1848. 8°.)

History, etc., France, cont'd.

Forestié (Édouard). Les comptes et mandements des receveurs et maitres d'hôtel du vicomte de Fézenzaguet (1365-1372). (Bull. hist. & philologique. Année 1898, pp. 229-242. Paris, 1898.)

Giraud (J. B.) Comptes de l'Écurie de François d'Angoulême (1514). (Bull. hist. & philologique. Année 1898, pp. 58-81. Paris, 1898.)

Valeur d'objets usuels en 1645. (Annales des Alpes. Tome 1, pp. 83-88. Gap, 1897. 8°.)

Messance or Messange, - pseud. cherches sur la population d'Auvergne, de Lyon [etc.], avec des réflexions sur la valeur du bled . . . 1674-1764. Paris, 1766. 4°. Attributed to l'Abbé Audra and M. De La Michaudière.

Leroy-Beaulieu (Paul). Quelques considérations sur les prix des marchandises depuis deux siècles. (L'Économiste français. 15. année, vol. 2, pp. 285-87. Paris, 1887. F°.)

Laurent (Paul). Quelques prix à Mézières et a Sedan, sous l'ancien régime. (Rev. hist. ardennaise. Année 7, pp. 217-223. Paris, 1900.)

**Biollay** (L.) Études économiques sur le 18e siècle; les prix en 1790. *Paris*, 1886. 8°.

Foville (A. de). Les variations de prix en France depuis un demi-siècle. (Journal de la Société de statistique de Paris. v. 16, pp. 43-46. Paris, 1875.

vol. 1, 2, passim. Paris, 1875-76. F°.)

Preisentwicklung (Die) in Frankreich in den letzten 50 Jahren nach A. de Foville, "Les variations des prix en France depuis un demi-siècle." "L'Économiste française." 30 Mai, 1874-29 Sept., 1877. (Jahrbücher für nationalökonomie und Statistik. v. 30, pp. 165-179, 245-263. Jena, 1878. 8°.)

Leroy-Beaulieu (Paul). Les variations des prix depuis soixante ans. (L'Économiste français. 15. année, vol. 1, pp. 221-223, 253-255. Paris, 1887. F°.)

- De la baisse du prix des marchandises en gros depuis trois quarts de siècle. (L'Économiste français. 22. année, vol. 2, pp. 201-203, 233-35. Paris, 1894. F°.)

Lavergne (L. de) Note sur les variations des prix depuis 1826. (Journal de la Société de statistique de Paris. v. 5, pp. 119-124. Paris, 1864. 4°.)

Mouvement (Le) des prix en l'année 1875, d'après la commission des valeurs. (L'Économiste français, 1876, 2 semestre, pp. 592-94. Paris, 1876. F°.)

Foville (A. de) De l'influence du prix des marchandises sur les mouvements de notre commerce extérieur. (Journal de la Société de statistique de Paris. v. 20, pp. 281-290. Paris, 1879. 4°.)

— Le mouvement des prix dans le commerce extérieur de la France. (L'Économiste français. 7. année. vol. 2, 1879, pp. 3-5, 64-65, 533-534. Paris, 1879. F°.)

Juglar (Clément). La baisse des prix et la crise actuelle. (L'Économiste français. 7. année, vol. 2, 1879, pp. 346-348, 410-412. Paris, 1879.

- La hausse des prix et la fin de la crise. (L'Économiste français. 8. année, vol. 1, 1880, pp. 311-12. Paris, 1880. F°.)

Foville (A. de). Le mouvement des prix dans le commerce extérieur. (Journal de la Société de statistique de Paris. v. 23, pp. 202-208. Paris, 1882. 4°.)

Série de poche des prix de la ville de Paris pour les ouvrages de toute nature dépendant du service d'architecture de la présecture de la Seine et de la ville de Paris . . . 1<sup>er</sup> novembre, 1882. *Paris : Imp. Chaix*, 1882. 4 p. l., 1028, 35 pp. 16°. Title on cover : Série officielle de prix, 1er janvier 1883.

Mangin (Arthur). "La Série des prix de la Ville de Paris." (L'Économiste français. 9. année, v. 2, pp. 816-818; 10. année, v. 1, pp. 512-515; v. 2, pp. 646-648; 11 année, v. 1, pp. 74-76. Paris, 1881-83. F°.)

Leroy-Beaulieu (Paul.) La baisse des prix des marchandises communes. (L'Économiste français. 12. année, vol. 1, pp. 437-439, 469-471. Paris, 1884. F°.)

- Les variations de prix des marchandises depuis vingt ans. (L'Économiste français. année, vol. I, pp. 769-71. Paris, 1889. F°.)

- De la baisse des prix des marchandises et de ses causes. (L'Économiste français. 14. année, vol. 1, pp. 221-223. *Paris*, 1886. F°.)

Cellerier (L.) La baisse des prix et l'application des inventions modernes à l'industrie. (L'Économiste français. 14. année, vol. 1, pp. 729-31. Paris, 1886. F°.)

Mouvement (Le) des prix. (L'Économiste français. 14. année, vol. 2, pp. 443-45. Paris, 1886. F°.)

Foville (A. de). Une enquête sur les prix de dêtail. (L'Économiste français. 15. année, vol. 2, pp. 285-287, 315 and passim. Paris, 1887. F°.)

Michel (Georges). Le mouvement des prix dans ces dernières années. (L'Économiste français. 16. année, vol. 1, pp. 69-71. Paris, 1888. F°.)

Raffalovich (Arthur). Les prix de détail et les intermédiaires. (L'Économiste français. 17. année, vol. I, pp. 266-267. Paris, 1889. F°.)

Leroy-Beaulieu (Paul). Un commencement de retour à la hausse générale des prix. (L'Économiste français. 17. année, vol. 2, pp. 725-27, 757-59. Paris, 1889. F°.)

Mouvement des prix de 1890 à 1900. (La Réforme Économique. 9. année, pp. 37-39, 53-67, 103-117, 190-202. *Paris*, 1900. F°.)

Baisse (La) de prix des marchandises en 1892 et ses causes économiques. (L'Économiste français. 21. année, vol. 2, pp. 803-4. Paris, 1893. F°.)

Cours comparés des marchandises sur la Place de Paris de mai 1895... - date, passim. (La Réforme Économique. 6. année passim. Paris,

Desmets (J.) L'avilissement des prix. (La Réforme Économique. 6. année, pp. 536-37. Paris, 1897. F°.)

Prix (Les) de gros. (La Réforme Économique. 7. année, and pássim. Paris, 1898-date. F°.)

Baisse (La) des prix et la crise agricole. (Annales agronomiques. v. 25, pp. 49-75, 145-177, 356-387, 459-491; v. 26, pp. 481-511. Paris, 1899-1900.)

History, etc., France, cont'd.

Flux (A. W.) Price movements in the foreign trade of France. (Jour. Roy. Statist. Soc. v. 63, pp. 480-484. London, 1900.)

Sinceny (P.) La baisse des prix et le mont-depiété. (La Réforme Économique. 10. année, p. 253. Paris, 1901. 8°.)

**Desmets** (J.) Le Mouvement des Prix de Gros en France. (La Réforme Économique. 10. année, p. 1306. *Paris*, 1901. 8°.)

Comparison of prices in October, 1900, and 1901.

**Domergue** (Jules). La Baisse des Prix et la Surproduction. (La Réforme Économique. 11. année, pp. 159-161. *Paris*, 1902. 8°.)

# Germany.

Inama-Sternegg (Karl Theodor). Werth und Preis in der Ältesten Periode deutscher Volkswirthschaft. (Jahrbücher für Nationalökonomie und Statistik. v. 30, pp. 197-234. Jena, 1878. 8°.)

Warenpreise im Bisthum Münster 1467 bis 1560. (Zeitschr. Preuss. Stat. 36. Jahrg. 1896, St. K. xxix-xxxi. *Berlin*, 1896. F°.)

Kaiser (Hans). Die Kostenrechnung einer bischöflichstrassburgischen Gesandtschaft an die Curie 1478-79. (Zeitschr. f. d. Geschichte d. Oberrheins. n. s. v. 14, pp. 180-193. Karlsruhe, 1899.)

Wiebe (G.) Die Preiseumwalzung der 16. und 17. Jahrhunderts. (Historisch-politische Blätter für d. katholische Deutschland. 118. Bd., pp. 434-45. München, 1897. 8°.)

Syrkin (N.) Preis-Fall im letzten Jahrhundert. (Gegenwart, 1900. no. 2. Berlin, 1900. 8°.)

Soetbeer (A.) Procentweise Zusammenstellung der Veränderungen in den Durchschnittspreisen van 100 Handelsartikeln während des Zeitraums von 1851 bis 1880 in fünfjähriger und zehnjähriger Perioden, verglichen mit den Durchschnittspreisen in den Jahren 1847-50. Berechnet auf Grund der nach den Hamburger Börsenpreisen beim Handelsstatischen Bureau in Hamburg deklarirten Einfuhr. (Pp. 210-213 of his Zur Statistik der Edelmetalle in den Jahren 1876-1880, in Jahrbücher für Nationalökonomie. n. F., 3. Bd. Jena, 1881. 8°.)

**Durchschnittswerth** verschiedener Handelsartikel in Vereinsthalern [im preuss. Staate] 1849–1862. (Zeitschr. Preuss. Stat. 4. Jahrg. 1864, 132–133.)

**Beiträge** zu einer Deutschen Handels-statistik (1) Waaren-Duchschnittspreise und auswärtiger Handel. (Annalen des Deutschen Reichs für Gesetzgebung. 1869, p. 68-84. *Leipzig*, 1869. 8°.)

**Neumann-Spallart** (F. X.) Geldwert und Preisbewegung im Deutschen Reiche 1871-84. (Staatswissenschaftliche Studien. 1 Bd. 3 Heft. *Jena*, 1887. 8°.)

Preise für den Deutschen auswärtigen Handel 1872/73. (Annalen des Deutschen Reichs für Gesetzgebung, 1875, pp. 689-730. *Leipzig*, 1875. 8°.)

Spexial Ucbersicht der Preisbewegung einiger Hauptartikel im 1-4 Quartal 1877, 1880. (Annalen des Deutschen Reichs für Gezetzgebung, Verwaltung und Statistik. 1879, pp. 87-99; 1882, 127. Leipzig, 1879-82. 8°.)

Peters (H.) Hülfsbuch zur Ausstellung von Lohnregulationen und Preisberechnungen für Bautischlerarbeiten, mit Angabe des Materialbedarfs und des durchschnittlichen Arbeitswerths nach Stunden und Minuten zum praktischen Gebrauch für Behörden, Baumeister, Bauunternehmer und Fachleute. Berlin, 1877. 8° and atlas f°.

Preisentwickelung (Die) während der letzten Decennien nach den Hamburger Börsennotirungen. (Jahrbücher für Nationalökonomie und Statistik. 2. F. B. 5, pp. 177–185. *Jena*, 1888. 8°.)

Monatliche Durchsnittspreise wichtiger Waaren im Grosshandel. January 1879-date.

(In: Statistik d. deutschen Reichs. v. 37 and following.) **Statement** from the official reports of the German government, showing the average prices in the German empire of the leading articles of merchandise during the years 1879-84. (U. S. Cons. Rpt. v. 17, pp. 169-171. *Washington*, 1884. 8°.)

Grosshandels Preise wichtiger Waaren an deutschen Plätzen im Jahre 1896 und in Jahren 1879 bis 1896. (Vierteljahrshefte zur Statistik des deutschen Reichs. v. 6. Berlin, 1896-date. F°.)

**Durchschnittspreise** wichtiger Waaren im Grosshandel 1880[-1883] verglichen mit 1879 [-1882]. Annalen des Deutschen Reichs für Gesetzgebung, Verwaltung und Statistik. 1881, pp. 195-204; 1882, pp. 517-526; 1883, pp. 139-152. *Leipzig*, 1881-'83. 8°.)

Conrad (J.) Beiträge zur Beurteilung der Preisreducktion in den 80er Jahren. (Jahrbücher für Nationalökonomie und Statistik. 2. F., 15. Bd., pp. 322-34. Jena, 1887. 8°.)

Bd., pp. 322-34. Jena, 1887. 8°.)

Vogeler (F.) Prices in Germany, June, 1882. (U. S. Cons. Rpt. 21, pp. 402-406. Washington, 1882. 8°.)

Average wholesale price of leading articles of merchandise in the month of April, 1882.

—— Prices in Germany, March, 1883. (U. S. Cons. Rpts. v. 10, pp. 102-105. Washington, 1883. 8°.)

Smith (J. H.) Prices in Germany. (U. S. Cons. Rpts. v. 11, pp. 722-724. Washington, 1883. 8°.)

Average prices of leading articles of merchandise during Sept. and Oct., 1883.

—— Prices in Germany, 1886. (U. S. Cons. Rpts. v. 21, pp. 615-616. Washington, 1886. 8°.) With comparative tables of average prices of leading articles of food, oats, hay and straw in Hesse in months of Apr. to Sept., 1885 and 1886.

Soetbeer (Ad.) Das Niveau der Waarenpreise in den Jahren 1886-90. (Jahrbücher für National-ökonomie und Statistik. 3. F., 3. Bd., pp. 588-96. Jena, 1892. 8°.)

Scharling (William). Der Detailhandel und die Waarenpreise. (Jahrbücher für Nationalökonomie und Statistik. 2. F., Bd. 13, pp. 285-325. Jena, 1886. 8°.)

Tanner (G. C.) Low prices for manufactured goods in Germany, 1886. (U. S. Cons. rpts. v. 19, pp. 471-472. Washington, 1886. 8°.)

Raine (F.) Germany, 1887. (U. S. Cons. Rpts. v. 22, pp. 604-673. Washington, 1887. 8°.) With table of average wholesale prices of chief articles for 1880-85, and Ang., 1886.

**Borght** (R. van der). Der Einfluss des Zwischenhandels auf die Preise, auf Grund der Preisent-

History, etc., Germany, cont'd.

wicklung im aachener Kleinhandel. Leipzig, 1888. 8°. (Verein für social polit. Schriften. Bd. 36, 1. Heft.)

Conrad (J.) Die Entwickelung des Preisniveaus in den letzten Decennien und der deutsche Getreidebedarf in den letzten Jahren. (Jahrbücher für Nationalökonomie und Statistik. 3. F., Bd. 17, pp. 642-660; Bd. 19, pp. 525-539. Jena, 1899-1900. 8°.)

Preisent wickelung (Die) der Jahre 1889 und 1890, verglichen mit den Vorjahren. (Jahrbücher für Nationalökonomie und Statistik. 3. F., 1. Bd., pp. 913-24. Jena, 1891. 8°.)

Preise (Die) des Jahres 1891[-1897] verglichen mit den Vorjahren. (Jahrbucher für Nationalökonomie und Statistik. *Jena*, 1893-1898. 8°.)

Conrad (J.) Die Preise des Jahres 1893 in Deutschland und der Einfluss des Zolles auf die Getreidepreise. (Jahrbücher für Nationalökonomie und Statistik. 3. F., 7. Bd., pp. 301-21, Jena, 1894. 8°.)

**Dreher** (W. C.) Retail prices in Germany, 1894. (U. S. Cons. Repts. v. 45, pp. 8-9. Washington, 1894. 8°.)

With comparative table of average prices for 1892 and 1893.

—— Prices in Germany, 1896. (U. S. Cons. Repts. v. 51, pp. 241-242. Washington, 1896. 8°.)
With table of prices for 1891-95.

Schotte (F.) Preisbildung und Fortschritte in der Herstellung der Waaren. (Jahrbücher für Nationalökonomie und Statistik. 3 F., 12. Bd., pp. 161-75. Jena, 1896. 8°.)

C[onrad] (J.) Das Preisniveau in den Jahren 1896, 1897 vergleichen mit den Vorjahren. (Jahrb. f. Nationalökonomie u. Statist. (v. 70) Ser. 3, v. 15, pp. 767-780. *Jena*, 1898. 8°.)

**Diehl** (K.) Kornzoll und Sozial reform. Jena: G. Fischer, 1901. 57 pp. 8°.

#### - Baden.

**Preise** (Die) des Jahres 1892. (Stat. Mitth. ü. d. Grossh. *Baden*, 1893.)
Continued each year thereafter.

# - Gotha.

Monatlichen (Die) Durchschnittspreise der Hauptfruchtgattungen während der letzten hundert Jahre in Gotha. (Jahrbücher für Nationalökonomie und Statistik. v. 1, pp. 398–400. Jena, 1863. 8°.)

Grunde (Die) des Preisfalles der Waren. 3 charts. (Mittheil. d. k. k. Finanz-Ministeriums. Jahrg. 5, pp. 530-635. Wien, 1899.)

**Zur** Statistik der Preise. (Vierteljahrshefte zur Statist. d. deut. Reichs. Jahrg. 8 (1899) Heft 4, pp. 119-128; Jahrg. 9 (1900) Heft 2, pp. 56-62; Jahrg. 10 (1901) Heft 2, pp. 187-197. *Berlin*, 1899-1901.)

Groschandels-Preise wichtiger Waaren an deutschen Plätzen. Preise für die einzelnen Monate des Jahres 1900. (Vierteljahrshefte zur Statistik des Deutschen Reichs. Jahrg. 10, 1901. Heft. 1, pp. 35-40. Berlin, 1901.)

## --- Bremen.

**Durchschnittsworth** verschiedener Handelsartikel in Vereinsthalern, in Bremen. (Annalen des

Deutschen Reichs für Gesetzgebung. 1869, pp. 79-84, 645-48. *Leipzig*, 1869. 8°.)

**Predse** und verbrauch. (Jahrbuch für Bremische Statistik, 1896-date. *Bremen*, 1897-date. F°.)

Prices by months from 1892 of principal articles of commerce of Bremen.

# — Hamburg.

**Durchschnittsworth** verschiedener Handels-Artikel in Vereinsthalern in Hamburg (1847–68). (Annalen des Deutschen Reiches für Gesetzgebung, Verwaltung und Statistik. 1869, pp. 85–143, 435–39. *Leipzig*, 1869. 8°.)

**Durchschnittspreise** für wichtigere Handelswaren in Hamburg, 1847–1892. (Zeitschr. Preuss. Stat. 34. Jahrg. 1894, St. K. xxx.)

— der in den Jahren 1867/69,1868/70,1871/75, 1876/77, 1876/77, 1887/79, 1880/1881, 1882/83, 1883/84, 1884/85, 1885-86, in Hamburg importiten Waaren. (Annalen des Deutschen Reichs für Gesetzgebung, Verwaltung und Statistik, 1870, pp. 399-406; 1871, pp. 537-43; 1877, pp. 165-86; 1879, pp. 81-86; 1880, pp. 81-90, 856-874; 1882, pp. 127-133, 676-680; 1883, pp. 739-764; 1884, pp. 560-563; 1885, pp. 628-631; 1886, pp. 877-880; 1887, pp. 720-723. Leipzig, 1870-1887. 8°.)

**Bayerdörffer** (A.) Die Preise von Waaren und Barrensilber in Hamburg. (Jahrbücher für Nationalökonomie und Statistik. 3. F., 8. Bd., pp. 603-6. *Jena*, 1894. 8°.)

Landau (Fab.) Indexnummern Hamburger Import-Artikel. (Jahrbücher für Nationalökonomie und Statistik. 3. F., 13. Bd., pp. 281-84. Jena, 1897. 8°.)

Conrad (J.) Preiseentwicklung im Hamburg. Handel in den letzten Jahren. (Jahrbücher für National-ökonomie und Statistik. 3. F., 20. Bd., pp. 669-73. Jena, 1900. 8°.)

# --- Hesse.

Beiträge zur Geschichte der Preise und des Tagelohns in Hessen. (Jahrbücher für National-ökonomie und Statistik. v. 19, pp. 145-67. Jena, 1872. 8°.)

—— Saxony.

Falke (Johannes). Geschichtliche Statistik der Preise im Königreich Sachsen. (Jahrbücher für Nationalökonomie und Statistik. v. 13, pp. 364-395; v. 16, pp. 1-71. *Jena*, 1869-'70. 8°.)

# — Thuringia.

**Kius** (*Dr.*) Die Preis- und Lohnverhältnisse des sechszehnten Jahrhunderts in Thüringen. (Jahrbücher für Nationalökonomie und Statistik. v. 1, pp. 65-78, 279-309. *Jena*, 1863. 8°.)

# --- Würtemberg.

**Güterbewegung** im Jahr 1873. (Württemb. Jahrb. 1873, 1. Th., pp. 223-230. *Stuttgart*, 1874. 8°.)

With tables of wool prices for 1873, cereals 1872,  $^{1}73$ , and 1864-73.

Zur Statistik der Preise und Löhne in Württemberg. (Annalen des Deutschen Reichs für Gesetzgebung. 1875, pp. 631-36. Leipzig, 1875. 8°.)

# Great Britain.

Rogers (J. E. T.) A history of agriculture and prices in England from the year after the Oxford

History, etc., Great Britain, cont d.

Parliament, 1259, to the commencement of the continental war, 1793... Oxford: Clarendon Press, 1866-87. 6 v. 8°.

[Bill of expences of two men sent from Thetford to the army against the Scots, 1336.] (Annual Register. 1780 (part 2), p. 163. London. 8°.) From the appendix to Martin's History of Thetford.

Cowper (J. M.) Accounts of the churchwardens of St. Dunstan's, Canterbury, A. D. 1484-1580. London: Mitchell & Hughes, 1885. I p. l., xiv, 3-104 pp. 8°.

Repr.: Archæologia Cantiana.

Extract from an Inventory of the Goods, Chattels, etc., of Thomas Kebeel, Serjeant at Law, appraised by Valentine Mason, General Appraiser unto the most Reverend Father in God the Lord Cardinal and Archbishop of Canterbury. 6' Julij, 15° Hen. VII. 1500. (Annual Register. 1768 (part 2), pp. 134-138. London. 8°.)

Saint Martin-in-the-Fields, Westminster. The accounts of the churchwardens, 1525-1603; transcribed and edited by J. V. Kitto. London: Simpkin, Marshall, Kent, Hamilton & Co., 1901. x, 638 pp., 1 l., 13 fac-sim., 1 pl. 4°.

no. 78 of 250 copies printed.

**Madden** ([Sir] Frederick). Privy purse expenses of the Princess Mary, daughter of King Henry the Eighth, afterwards Queen Mary: with a memoir of the Princess, and notes. London: W. Pickering, 1831. 3 p. l., ix-ccv, I l., 286 pp. 8°.

Elizabeth (Queen of England). Household expenses of the Princess Elizabeth, during her residence at Hatfield, Oct., 1551-Sept. 30, 1552; ed. by Vct. Strangford. (In Camden Soc. Pub., v. 55; Misc., v. 2.) [London,] 1853. sq. 8°.

**Playfair** (W.) A letter on our agricultural distresses, their causes and remedies; with charts shewing the prices of wheat, bread and labour, 1565-1821; addressed to the Lords and Commons. London. 2. ed. 1822. 8°.

Robinson (C. B.) Prices in Snaith, Yorkshire, 16–18 Centuries. (Royal Statistical Society. Journal. v. 21, pp. 369–420. London, 1858. 8°.)

McArthur (Miss Ellen A) Prices at Woodstock in 1604. (Eng. Hist. Rev. London, 1898. 8°. v. 13, pp. 711-716.)

Extracts from Alleyn's Journal; entitled The Founders 1st Booke of Accounts, from October, 1617, to September, 1022. (Annual Register, 1793 (part 2), pp. 345-350. London. 8°.)

Cost of furnishing the "Margaret" [for a voyage to and settlement in Virginia in 1612]. (Bulletin of the New York Public Library. v. 3, pp. 213-223. New York, 1899. 8°.)

**Northumberland**, Duke of. Household expenses, 1687-1696. 5 vols. F°.

Manuscripts, at the Lenox branch.

Rural economy in Yorkshire, in 1641: being the farming and account books of Henry Best, of Elmswell, in the east riding of the county of York [edited by C. B. Norcliffe, originally C. B. Robinson]. (Surtees Soc. Pub., v. 33.) Durham, [Newcastle-upon-Tyne, printed,] 1857. pl. 8°.

Halliwell[-Phillipps] (J. O.) Some account of a collection of . . . bills, accounts, and inventories,

illustrating the history of prices between . . . 1650 and 1750 . . . Brixton Hill: [C. & J. Adlard, pr.,] 1852. xii, 120 pp. 4°.

**Way** (The) to be rich and respectable, addressed to men of small fortune. *London: The Author* [17—]. I p. l., 46 pp. 8°.

Great Britain.—Navy. Accounts of George Grenville, treasurer of the navy, 1754-1762. 8 vols.

Manuscripts, at the Lenox branch.

[Young (A.)] A six weeks tour, through the southern counties of England and Wales. Describing, particularly I. The present state of agriculture and manufactures. II. The different methods of cultivating the soil. III. The success attending some late experiments on various grasses, etc. IV. The prices of labour and provisions. V. The state of the working poor in those counties, wherein the riots were most remarkable. With descriptions and copper-plates, of such newly invented implements of husbandry as deserve to be generally known; interspersed with accounts of the seats of the nobility and gentry... In several letters to a friend. By the author of the Farmer's letters. London: W. Strahan, 1769. xi, 377 pp., 8 l., 1 pl. 2. ed. 8°.

Jevons (W. S.) Variations of prices, 1782-1865. (Royal Statistical Society. Journal. v. 28, pp. 294-320. London, 1865. 8°.)

Fluctuations of corn, currency, consols, from 1790 to 1883. London, 1834. f°.

**Tooke** (T.) Thoughts and details on the high and low prices of the last thirty years. London: J. Murray, 1823. pts. 1-4. 2 v. 8°.

Reviewed in the Quarterly Review, v. 29, pp. 214-239. (London, 1823.)

— A history of prices and of the state of the circulation from 1793 to 1856... London: Longman, Orme, etc., 1838-57. 6 v. 8°.

v. 5-6 written by T. Tooke and W. Newmarch.

Girdler (J. S.) Observations on the pernicious consequences of forestalling, regrating and ingrossing, with a list of the statutes for the punishment of those offences; proposals for new laws... thoughts on... coal trade, sale of cattle in Smithfield... London: L. B. Seeley, 1800. 2 p. 1, 96 pp. 8°.

**Tableau** des cours moyens des principaux articles de consommation en Angleterre depuis le commencement du siècle dressé par M. Auguste Sauerbeck. (La Réforme Économique, Supplément Avril, 1898. *Paris*, 1898. F°.)

**Boyd** (W.) A letter to the Right Honourable William Pitt, on the influence of the stoppage of issue in specie at the Bank of England; on the prices of provisions, and other commodities. *London: J. Wright*, 1801. viii, 112 pp. 8°.

Cause of rise of prices. (Annual Register. v. 43, pp. 8-27. London, 1802. 8c.)

Price current [Gt. Britain]. An account of the prices of sugar, coffee, cotton, hemp, flax, tallow, whale oil, deals, timber, and tobacco, in . . . January and July . . . from 1810 . . . to . . . 1822 . . . [London, 1822] 2 l. F°. (Great Britain. Parl. Papers. Sess. 1822, (408). v. 21.)

—— Same, 1813/31. (In Tables of revenue, population, etc., part 1.)

History, etc., Great Britain, cont'd.

Hoare (Peter Richard). Reflections on the possible existence and supposed expedience of national bankruptcy. *London: T. Cadell*, 1811. 2 p.l., 76 pp. 8°.

Galton (S. Tertius). A chart exhibiting the relation between the amount of Bank of England notes in circulation, the rate of foreign exchanges, and the prices of gold and silver bullion and of wheat; with observations. *London*, 1813. 8°.

Considerations on the importation of foreign corn... shewing that the present high price of everything has been caused by the excessive increase of the rent of land, and a circulating taxation... London: The Author, 1814. 2 p.l., 115 pp. 8°.

Wilson (Robert). An enquiry into the causes of the high prices of corn and labour, the depressions on our foreign exchanges and high prices of bullion, during the late war; and consideration of the measures to be adopted for relieving our farming interest from the unprecedented difficulties... in consequence of the great fall in the price of their produce since the peace; with relative tables and remarks, etc. Edinburgh: A. Constable & Co., 1815. 2 p.l., iv, 87 pp. 8°.

[Tables of prices. (In Tables of revenue, population and commerce of the United Kingdom, 1833–1854, pt. 1–22; and Miscellaneous statistics of the United Kingdom, 1858–1883, pt. 1–11.)

United Kingdom, 1858–1883, pt. I–II.)

In detail as follows: Tables of pricea, 1815/31–1859, and a few earlier prices; British grain, 1815/31–25; average prices of grain for purposes of the Tithes Commissioners, 1835/9–52; grain in Guernsey and Jersey, 1820/39–46; wheat in Scotland, 1771/1800; sheat and oats in Dublin, 1815/34–42; food, clothing and provisions at Greenwich, or other hospitals, 1815/31–48; beef and mutton at St. Thomas's Hospital, 1688/31–40; prices paid by Commissariat Department for bread, meat, etc., 1819/31–35; provisions and victualling stores for the navy, 1839–35; prices in London: provisions and merchandise, 1813/31–48; quartern loaf and other bread, 1781/1815, 1828/30–48; butcher's meat, 1840/4–50; Lincolnshire wool, 1833/4; cotton, 1838/46; worsted yarn, 1827/35; leather, 1820/30–34, etc.; British corn in England and Wales; wheat, barley and oats for the purposes of the Tithe Commissioners; Prices of same in Dublin; Fiars prices of same in Scotland, 1854–70; Contract prices of bread, meat, etc., supplied to the troops in England, Wales, Scotland, 1855–76; food, clothing, etc., at Greenwich Hospital, etc., with the rates of wages of the artizans, 1855–57; butcher's meat in the London market.

**Statistics** of prices, 1818-50. (Banker's magazine. v. 10, pp. 712-718. *London*, 1850. 8°.)

Report from the select committee [Gt. Britain] on petitions complaining of agricultural distress, etc. [with minutes of evidence]. [Returns of average prices. Fraudulent returns. Proposed regulations.] [London, 1820.] 125 pp. F°. (Great Britain. Parl. Papers. Sess. 1820, (255). v. 2.)

Cleghorn (James). On the depressed state of agriculture. Edinburgh: A. Constable & Co., 1822. 2 p.l., 140 pp. 8°.

Lowe (Joseph). Effect of the war on the price of commodities. (Chapter 3 and appendix in his The present state of England in regard to agriculture, trade and finance. 2 ed. London, 1823. pp. 45-72 [9-14]. 8°.)

Kilmainham Hospital, Dublin. An account of the contract prices of flesh, bread, flour . . . oatmeal . . . candles, shoes, stockings, hats . . . bedding and . . . clothes; also, of the daily wages of . . labourers, from the earliest period . . . to the pres-

ent time at Kilmainham Hospital. [London, 1830.] 4 pp. F°. (Great Britain. Parl. Papers. Sess. 1830-31, (84). v. 6.)

Great Britain.—Bank of England Charter Committee. Report from the Committee of Secrecy [Gt. Britain] on the Bank of England Charter; with the minutes of evidence, appendix, and index. [How prices are affected by contraction of currency, by variation in the circulating medium, by the price of corn. Prices and markets not settled by the demand and supply, but by issues of the Bank of England. An account of contract prices of provisions supplied to Chelsea and Greenwich Hospitals, 1818–1832. Prices of wheat, of beef and mutton at Smithfield Market, of coals, iron, leather, wool, linen, cotton, flour, tallow, etc., 1819–1832.] [London, 1832.] 486, 189 pp. F°. (Parl. Papers. Sess. 1831–32, (722). v. 6.)

[James (H.)] The future prospects of the British people. By the author of The state of the nation [i. e. H. James.] London: E. Wilson, 1836. 2 p.l., 112, 3 pp. 8°.

Harley (James). The currency; its influence on the internal trade of the country: in a letter addressed to the drapers of Scotland; with a section from . . . "A history of prices," by Thos. Tooke. v, (1) 7-43, 66 pp. Glasgow: J. Smith & Son, 1839. 8".

Great Britain.—Banks of issue committee. Report from Select Committee [Gt. Britain] on Banks of Issue; with the minutes of evidence, appendix, and index. [Effect upon prices of fluctuations in the issues of notes. Fluctuations of prices since 1833, considered with reference to the circulation. Effect of the corn laws upon prices. An account of the average price of wheat, barley and oats... in England and Wales, 1832-1839. A statement of the prices of various articles from foreign countries, 1832-1839; cotton, wool, provisions, etc.] [London, 1840.] xii, 374, 424 pp. F°. (Parl. Papers. Sess. 1840, (602). v. 2.)

— First [and] Second report from the Select Committee [Gt. Britain] on Banks of Issue; with the minutes of evidence, appendix, and index. (1841.) [Connexion between prices and circulation. High prices stimulate speculation and lead to increased circulation. Examination with reference to the prices of agricultural produce and the country circulation. Average price of wheat, barley and oats, per quarter, in England and Wales . . . Jan. 3.—Dec. 25, 1840.] [London, 1841.] 4 pp.; viii, 358 pp. (Parl. Papers. 1841. Sess. I, (366, 410). v. 5.)

**Prices** current, Weekly. (The Economist, v. 1-date. London, 1843-date. F°.)

Wholesale prices and commodities, mainly in London and Manchester. Average 6 years, 1845–50; selected dates, 1879–93; and monthly, 1894. (U. S. Monthly summary, etc., Ser. 1894/5, pp. 1242-45. Washington, 1895. 4°.)

From Lond. Economist Commercial Hist, and review of 1894.

Fall (The) of price from repealing the corn law. (The Economist. v. 4, pp. 34-37. London, 1846. F°.)

Great Britain.—Commercial Distress Committee. First [and] Second report from the Secret Committee on Commercial Distress; with the min-

History, etc., Great Britain, cont'd.

utes of evidence. Appendix to reports... [and] Supplemental appendix... with index. [Comparison of the fall of prices in the panic of 1825 and in 1847. How fluctuations of the circulation correspond with fluctuations of prices. Price of raw materials as affected by money pressure. Tendency of the bank charter acts of 1819 and 1844, with free trade, to lower prices to the continental level; the effect on wages. Reason of sudden rise and fall in the price of corn in 1847. Price of wheat at Dantzig and Odessa, and of flour in New York.] [London, 1848.] 4 v. in 2. (Parl. Papers. Sess. 1847–48, (395, 584). v. 8, pt. 1-2.)

Statistics of prices in 1848. (Bankers' Magazine. v. 9, pp. 65-76. London, 1849. 8°.)

**Dawson** (J. T.) Effect of changes in prices in Great Britain. (Royal Statistical Society. Journal. v. 11, pp. 101-140. *London*, 1848. 8°.)

Greenwich Hospital. Return "of the prices of ... food, clothing, and household stores, bought for the ... hospital at Greenwich, and of the rate of wages paid to artizans ... with the prices of provisions at Bethlem Hospital; and of bread and meat bought by the Commissariat Department, 1836–1849 ... [London, 1850.] 14 pp. F°. (Great Britain. Parl. Papers. Sess. 1850, (213.) v. 35.)

—— Same, 1815–1835. (In: Second report from the Select Committee appointed to inquire into the state of agriculture. . [London, 1836.] Append. 9. Great Britain. Parl. Papers. Sess. 1836, (189.) v. 8, pt. 1.)

— Same. 1850-1853... [London, 1854.] 4 pp. F°. (Idem. Sess. 1854, (257.) v. 42.)

Huxtable (Rev. A[nthony]). The "Present prices"... Blandford [Eng.]: W. Shipp, Printer, 1850. 2 p. l., 34 pp., 1 l. 8°.

Cole (William Alfred). The effect of war on the prices of commodities, 1850-1900. (Inst. of bankers. Jour. v. 22, p. 335-358. London, 1901.)

Mulhall (M. G.) History of prices since the year 1850. 8 diagrams, col'd. London, 1885. 12°.

Newmarch (William). Summary of Results. Prices since 1851. (pp. 96-100 of Mercantile Reports of the character and results of the trade of the United Kingdom during the year 1858. Royal Statistical Society. Journal. v. 22, pp. 76-100. London, 1859. 8°.)

**Prices** and prospects. (The Economist. v. 9, pp. 704-705. *London*, 1851. F°.)

War prices fallacy. (The Economist. v. 14, pp. 392-93. London, 1856. F°.)

Great Britain.—Bank acts committee. Report from the Select Committee [Gt. Britain] on Bank Acts; together with the proceedings... minutes of evidence, appendix and index... [Effect of advances of capital upon prices. Table showing want of coincidence between prices and the rate of interest. Effect of the movement of prices upon the circulation. Prices of fifteen of the principal articles of commerce, quarterly, 1834—1853. Effect of the present monetary system on wages.] [London, 1857.] 2 pts. (Parl. Papers. 1857, Sess. 2, (2201-2) v. 10, pt. 1-2.)

Rogers (J. E. T.) Prices in England. (Royal Statistical Society. Journal. v. 24, pp. 535-585. London, 1861. 8°.)

Preisechwankungen (Die) britischer Waaren von 1861 bis 1877. (Zeitschr. Preuss. Stat. 19. Jahrg. 1879, St. K. xvi-xvii.)

Giffen (R.) Report to the Secretary of the Board of Trade on the prices of exports of British and Irish produce, and the prices of imports, 1861–78. London, 1880. 28 pp. F°. (Great Britain. Parlt. Papers. Sess. 1880, C. 2484, v. 67.)

**Leslie** (T. E. C.) Changes in prices. (The Economist. v. 23, pp. 1239-40; 1458-1459; v. 27, pp. 90-91; 177-179; 355-356; 688-690; v. 28, p. 600. *London*, 1865-70. F°.)

**Great** (The) rise in the price of commodities. (Economist. v. 29. pp. 1585-87. *London*, 1871. F°.)

Course of prices from November, 1873, to March, 1874. (Banker's magazine. v. 34, pp. 285-290. London, 1874. 8°.)

**Hansard** (Luke). On the prices of some commodities during the decade 1874-83. Institute of Bankers. Journal. v. 6, pt. 1. pp. 1-57. *London*, 1885. 8°.)

Course (The) of prices of commodities. (The Economist. v. 32-date, passim. *London*, 1874-date. F°.)

A standing article—appearing usually four times a year.

Giffen (R.) Recent fall in prices, 1879. (Royal Statistical Society. v. 42, pp. 69-78. *London*, 1879. 8°)

8°.)
The Report of the International Monetary Conference of 1878 (pp. 380-408) reprints a portion of the above. (U. S. 45. Cong. 3. Sess. Senate Exec. Doc. no. 58.)

— Report to the Secretary of the Board of trade on recent changes in the amount of the foreign trade of the United Kingdom and the prices of imports and exports. *London*, 1881. 30 pp. F°. (Great Britain. Parl. Papers. Sess. 1881, C. 3079, v. 83.)

Fall in prices in 1883. (Royal Statistical Society. Journal. v. 47, pp. 348-359. London, 1884. 8°.)

Weston (G. M.) British view of fall in prices. (Banker's magazine. v. 38, pp. 336-342. New York, 1884. 8°.)

**Poynting** ( ). A comparison of the fluctuations in the price of wheat and in the cotton and silk imports into Great Britain. (Royal Statistical Society. Journal. vol. 47, pp. 34-64. *London*, 1884. 8°.)

Fowler (W.) Prices in England in 1885. (Contemporary Review. v. 47, pp. 536-547. London, 1884. 8<sup>3</sup>.)

Giffen (R.) Report to the Secretary of the Board of Trade on recent changes in the amount of the foreign trade of the United Kingdom, and the prices of exports and imports. London, 1885. viii, 54 pp. F°. (Great Britain. Parl. Papers. Sess. 1884/85, C. 4456, v. 71.)

— Low prices and depression in trade. (Contemporary Review. v. 47, pp. 800-822. London, 1885. 8°.)

Great Britain.—Depression of trade commission. First, second, third and final reports. With minutes of evidence and appendix of the Roy. Commission appointed to inquire into the depression of trade and industry. London, 1886. 8°. (Great Britain. Parl. Papers. Sess. 1886, v. 21-23.)

With various tables of prices and wages.

History, etc., Great Britain, cont'd.

Sauerbeck (A.) Prices in England, 1886-92. (Royal Statistical Society. Journal. v. 56, pp. 215-254. London, 1893. 8°.)

Range of prices and rate of interest. (Banker's Magazine. v. 48, pp. 933-941. London, 1888. 8°.)

Wells (David A.) Fall in prices. (Contemporary Review. v. 52. pp. 523-548, 628-643. London, 1887. 8°.)

Rise in prices and banking business, 1888. (Banker's Magazine. v. 48, pp. 1253-1258. London, 1888. 8°.)

**Giffen** (Sir Robert). Recent changes in prices and incomes compared. (Royal Statistical Society. Journal. v. 51, pp. 713-815. London, 1888. 86.)

- Report to the Secretary of the Board of Trade on recent changes in the prices of exports and imports, 1888. viii, 58 pp. F. (Great Britain Parl. Papers. Sess. 1888, C. 5386, v. 91.)

With tables of average prices for British and Irish produce exported, 1840-86; percentage increase or decrease in prices in certain years compared with 1861; average prices of articles imported, 1854-1886; percentage increase or decrease in prices in certain years compared with 1861.

**Wholesale** prices. (Banker's Magazine. v. 49, pp. 1356-1361. *London*, 1889. 8°.)

Comparative prices of leading articles [in the London markets, April 1, 1892-June 1, 1893]. (U. S. Monthly Summary, etc., Ser. 1893/4, pp. 1004, and following ser.)

Phipson (C. B.) Prosperity and prices. (Westminster Review. v. 141, pp. 652-668. London, 1894. 8°.)

Prices of commodities. (The Economist. v. 54date. London, 1896-date. F°.)

Quarterly.

Newman (Robert). Wholesale and retail prices. (Economic Journal. v. 7, pp. 346-353. London, 1897. 8°.)

Prices. (The Statist. v. 39-date, passim. London, 1897-date. F°.)

Prix comparatifs des marchandises sur le marché de Londres. (La Réforme Économique. 7., 8. année, passim. *Paris*, 1897–1898. F°.)

Comparative wholesale prices of leading articles [London markets]. (Monthly summary of commerce and finance of U. S. pp. 1864-1867. Washington, 1899.)

Index numbers of the prices of commodities in 1899. (Jour. Roy. Agric. Soc. of Eng. v. 11, pp. 144-147. London, 1900.),

Course of British Prices. (Bradstreet's. v. 28, pp. 38, 246, 294, 422, 822. New York, 1900. F°.)

White (Robert). Fixed incomes and rising prices. Twentieth Century. v. 1, pp. 327-349. London, 1901.

#### Ireland.

Prices in Ireland. (Quarterly Journal of Economics. v. 1, pp. 134-135. Boston, 1887. 8°.)

#### India.

Juglar (Clément). Les variations de prix dans l'Inde et la prime à l'exportation. (L'Economist français. 22 année, vol. 1, pp. 451-54. Paris, 1894. F°.)

Statistical atlas of India. ed. 2. 1895. Calcutta, 1895. 73 pp. maps. obl. f°. Chapter zi, Prices, by J. E. O'Conor.

Gournay (H.) Le mouvement des prix dans l'Inde. (L'Economiste française. 25 année, vol. 1, pp. 583-84. Paris, 1897. F°.)

#### Italy.

Faraglia (N. F.) Storia dei prezzi in Napoli dal 1131 al 1860. (Atti del R. Instituto di Incorraggiamento alle sciene naturali, etc. ser. 2, v. 15, pp. 47-426.)

For a synopsis of contents see Annali di Statistica, ed. 3. p. 112.

# Jamaica.

Jamaica. Letters from Jamaica on commercial affairs, with invoices, bills of exchange, and miscellaneous papers, 1662-1788. About 50 items. F°. Half calf.

Manuscripts, at the Lenox branch.

# Japan.

Prix courants des principales marchandises dans les grandes villes, 1875-86. (Résumé stat. de l'empire du Japon. no. 3.)

Continued in each number thereafter.

### Netherlands.

Muller (S.) Rekeningen van den Drost van Twenthe over 1336-1339. (Bijdragen en mededeelingen van het Hist. Genoot. te Utrecht. venhage, 1897. 8°. v. 18, pp. 123-180.)

Eenige marktprijzen in mei 1852 en 1853. (De Economist. v. 2, pp. 213-14. Amsterdam, 1853.

Eckstein (D.) Trade, commerce, etc., of Amsterdam and in the Netherlands in 1885. 1887. (U. S. Cons. Rpts. v. 22, pp. 712-769. Washington, 1887. 8°.)

With tables of lowest and highest prices of rye and wheat for 1877–1886, and for maize, 1831-83, monthly prices in 1886 for Banka and Billiton tin, weekly prices for cotton in Amster-dam, 1886, comparative statements of prices for sugar in 1885 and 1886.

# Philippine Islands.

Prices of commodities and rates of wages in Manila. (Bull. Dept. of Labor. v. 6, no. 32, pp. 29-42. Washington, 1901.)

#### Russia.

Russia. - Ministerstvo Finansov. - Dept. torgovli i manufactur. Сводъ товарныхъ цвнъ на главныхъ рынкахъ Россіи за 1890-96. Ргіх de marchandises sur le principaux marchés de la Russie pour les années 1890-96. St. Petersburg, 1897. xii, 18 pp. 4°.

Fluctuations (Les) des prix sur les principaux marchés de Russie de 1893 à 1898. (La Réforme Economique. 8. année, pp. 1111. Paris, 1899. F°.)

# South Africa.

Stowe, (J. G.) Prices in South Africa, 1898. (U. S. Cons. Rpts. v. 59, pp. 25-26. Washington, 1898. 8°.)

# Sweden.

Arosenius (Carolus Fredr[icus]). \*De difficili pretiorum veteris ævi in Svecia æstimatione . . . Upsaliæ, 1800. 8 pp. 12°.

#### Switzerland.

Müller (C. K.) Beitrag zur Geschichte der Statistik der Güterpreise des Kantons Zürich. (Zeitschr. Schweiz. Stat. 10. Jahrg. 1874, 53-88.)

#### Turkey.

Heap (G. H.) Principal exports of Turkey, July, 1881. (U. S. Cons. Rpt. no. 10, pp. 305-317. Washington, 1881. 8°.)

Pp. 306-307 prices of grains and food stuffs.

- Prices at and freights to and from Constantinople, July, 1881. (U. S. Cons. Rpt. 10, pp. 322-323. Washington, 1881. 8°.)

# United States.

**Hazard** (T.) Sundry prices taken from ye acct. book of T. Hazard, son of Robt (called College Tom). Shewing the depreciation of an arbitrary currency, as compared with the actual value of corn and other produce... presented to the members of the Washington Co. Agricultural Soc., upon the occasion of its 18. annual fair, by R. Hazard, prest. of the Soc. 1892. 12 l. 8°. Wakefield, R. I.: Times Print,

Van Cortlandt Account Books. Eighteen mercantile account books of New York, Albany, New Jersey merchants, relating mainly to the general business affairs of the Van Cortlandts and other merchants, and ranging in date between 1700 and

Manuscripts, at the Lenox branch. A detailed analysis is given in the Bulletin, v. 2, p. 70.

New York Colonial Troops. Pay rolls and subsistence accounts, 1756-1758. 6 documents.

Manuscripts, at the Lenox branch. **New Orleans.** Journal de dépense de la Colonie, 1766. 174 ll. F°. Manuscript, at the Lenox branch.

Bancker Barrack Accounts. New York, 1768-1774. About 100 pp.
Manuscripts, at the Lenox branch.

Great Britain.—Army. Subsistence and clothing accounts, receipts for rations, etc., chiefly during the period of the American revolution. About 100 documents.

Manuscripts, among the Myers, Emmet, and miscellaneous collections at the Lenox branch.

Lawrason & Fowle. Mercantile account books, Virginia, about 1770-1830. 90 vols. F°.

Manuscripts, at the Lenox branch.

**Boudinot** (Elias). The household expenses of President Elias Boudinot as furnished by the agent of Congress 1783. From the Boudinot papers. Thomas Addis Emmet, M.D. New York, 1890. F°. Half morocco.

Manuscript, with printed title-page, as above, in the Emmet collection at the Lenox branch.

Jefferson (Thomas). Diary, 1791-1803, containing notes on domestic affairs and household expenses. 192 pp. 12°. Calf.

Manuscript, at the Lenox branch.

Duyckinck Account Books. Day books and journals of Evert Duyckinck and others, New York, 1795-1852; also cash books, bundles of bills, accounts, checks, etc. 19 vols. F°.

Manuscripts, at the Lenox branch.

Relative prices in gold, by groups of articles, 1840-91. (U. S. Monthly Summary, etc. Ser. 1894/5, pp. 1247. Washington, 1895.)

Movement of prices, 1840-1899, from Sauerbeck's tables, London Economist, and reports of U. S. Senate and the department of labor on prices. (Monthly Summary of Commerce and Finance of the U.S. ser. 1899-1900, no. 11, pp. 3129-3146. Washington, 1900.)

United States .- Treasury Department .-Bureau of Statistics. Movement of prices, 1840-1894; [compiled from] tables of [A.] Sauerbeck, London Economist, U. S. Senate. Chart. Washington, 1895. 4°.

True (A) picture of Henry C. Carey. Who attempts to deceive the public? n. p. [1850?] 4 pp. 12°.

Wilder (D.), Jr. High prices. (Hunt's Merchants' Magazine. v. 36, pp. 53-55. New York, 1856. 8°.)

Comparative prices of merchandise [about the first of January,] 1860, 66, 74, 77-84, 88-92, 94-1901. (Financial Review. 1878, pp. 14 and passim. New York, 1878-1901. F°.)

Schwab (John Christopher.) Prices in the Confederate States, 1861-65. 1 tab. (Polit. Sci. Quar. v. 14, pp. 281–304. Boston, 1899.)

- Prices in South during the Civil War. (American Economic Association. (Economic Studies. v. 4, pp. 91-98. New York, 1899. 8°.)

Alabama. - Impressments, Board of Commissioners for. [Schedule of prices, dated I June, 1864, to continue in effect until August, 1864, presenting the minimum prices for all articles, including labor, appraised at all cities and places of sale in the state.] [Montgomery, 1864.] Broadside. F°.

Range of prices. (Banker's Magazine. v. 19. pp. 361-401. New York, 1865. 8°.)

Walley (S. H.) Causes and remedy of high prices. (Banker's Magazine. v. 22, pp. 9-16. New York, 1868. 8°.)

Young (Edward). The cost of labor and subsistence in the United States for 1869, as compared with previous years. Washington, 1870. 8°.

Taussig (F. W.) Fall in prices from 1873 to 1874. (Science. v. 6, pp. 365-366. New York, 1885. 8°.)

Benner (S.) Benner's prophecies of future ups and downs in prices. What years to make money on pig-iron, hogs, corn, and provisions . . . cinnati: The Author, 1876. 131 pp. 24°.

- 1879. ix, 10-11, 13a-13c, 13-131 pp. 2. ed. 16°.

**Solid** bottom in prices. (Banker's Magazine. v. 33, pp. 355-359. *New York*, 1879. 8°.)

Prices of commodities in Illinois and elsewhere. (Illinois Labor Stats. Bur. 3. bienn. rpt., 1884, p. 338.)

With comparative tables for Illinois, Massachusetts, and Great Britain.

United States. - Statistics Bureau, Tables showing the prices of commodities, also the immigration into the United States for a series of years, comprising statements nos. 17 to 25, inclusive, of the quarterly report no. 3, series 1885-86 of the Chief of the Bureau of Statistics. Washington: Govt. Prig. Office, 1886. v, 528-598 pp. 8°. (Treasury Dept.)

History, etc., United States, cont'd.

Falkner (Roland P.) Wholesale prices: 1890 to 1899. (Bull. Dept. of Labor. no. 27, pp. 237-313. Washington, 1900.)

Prices in the United States under the McKinley Act. (Quarterly Journal of Economics. v. 7, pp. 103-106. *Boston*, 1892. 8°.)

United States.—Finance Committee. Retail prices and wages. Report by Mr. Aldrich, from the committee on finance, July 19, 1892. Washington: Govt. Prig. Office, 1892. 3 v. 8°.

--- Same. 52. Cong., 1. sess. Senate reports. v. 6-8.

Aldrich ([N. W.]) Report . . . on wholesale prices, wages, and transportation, March 3, 1893. Washington: Govt. Prig. Office, 1893. 4 v. 8°. (U. S. Finance Committee.)

Taussig (F. W.) Results of the recent investigations on prices in the United States. (Yale Review, v. 2, No. v., pp. 221-247. New Haven, 1893. 8°.)

Prices in the United States. Results of recent investigations. (American Statistical Association. Publications. v. 3, pp. 487-491. Boston, 1894. 8°.)

Clapp & Company, New York. Weekly market letters, valuable information of leading American exchanges, 1893... New York: Exchange Print Co., 1894. 328 pp. sq. 4°.

[Tables of prices of various commodities for a variety of years.] (U. S. Statistical Abstract, 1893.)
Continued each year thereafter.

Comparative prices of leading articles [in U. S. markets, 1893-94]. (U. S. Monthly Summary, etc., ser. 1893-4, pp. 995-1003, and following ser.)

wholesale prices of leading articles in U. S. markets. [Statistical tables published monthly.] (Monthly summary of commerce and finance of the U. S., Aug., 1893-date. Washington, 1893-date.)

Andrews (E. Benjamin.) The fall of prices; the cause and the cure. An address before the Manufacturers' Club, Philadelphia, Feb. 18, 1894. [Washington: Govt. Prtg. Off.] 1895. 13 pp. 8°. (U. S. 53. Cong. 3. sess. Senate. mis. doc. 136.)

**Movement** of prices. (U. S. Monthly Summary, etc., ser. 1894/5, pp. 1231-1248. *Washington*, 1895.)

**Farnam** (H.W.) Some effects of falling prices. (Yale Review. v. 4, pp. 183-201. New Haven, 1895. 8°.)

Williams (A.) Prices, Reasons why they are low. (Engineering Magazine. v. 8, pp. 781-788. New York, 1895. 8°.)

Commons (John R.) Wholesale prices, 1896 to 1900, comparison with the period 1878 to 1882. Tables. (Quar. bull. Bureau of Econ. Research. no. 2, October, 1900, pp. 35-54. New York, 1900.)

**Gordon.** Falling prices. (Arena. v. 17, pp. 633-640, 940-946. *Boston*, 1897. 8°.)

**Stability** of Prices. (Yale Review. v. 6, pp. 81-3; 7, pp. 97-99. *New Haven*, 1897. 8°.)

George (L. F.) Falling prices and the remedy. Boston: George Book Publishing Co., 1898. I p.l., vi, I l., 231 pp., I port. 12°.

Mayo-Smith (Richmond). Movement of prices. (Polit. Sci. Quar. New York, 1898. 8°. v. 13, pp. 477-494.)

Iron and steel, leather, cotton, woolens, boots and shoes. (Dun's Review. v. 6-date, passim. New York, 1898-date. 4°.)

**Benner** (S.) Benner's prophecies of future ups and downs in prices; what years to make money on pig-iron, hogs, corn, and provisions, . . . with forecast for 1899. *Cincinnati: R. Clarke Co.*, 1899. ix, 10-233 pp. 12. ed. 8°.

**Kinder** (Francis Shanor). The effects of recent changes in monetary standards upon the distribution of wealth. (Amer. econ. assoc. Econ. studies. v. 4, p. 409-499. *New York*, 1899.)

**Staple** prices highest for five years. (Bradstreet's. *New York*, 1899. F°. v. 27, p. 18.)

Mayo-Smith (Richmond). Prices and individual welfare. (Polit. Sci. Quar. v. 15, pp. 14-36. Boston, 1900.)

**Dun's** index number. (Dun's Review, Sept. 7, 1901; Jan. 4, Feb. 8, 1902. *New York*, 1901–1902, 4°.)

—— Alaska.

McCook (J. C.) Prices in Dawson City, 1898.
(U. S. Cons. Rpts. v. 59, pp. 323-324. Washington, 1898. 8°.)

—— Boston.

Cook (W. F.) Retail prices in Boston and vicinity. (American Statistical Society. Publications. v. 2, pp. 116–119. *Boston*, 1891. 8°.)

#### - Detroit.

Prices current at Detroit in summer of 1817. (Michigan. Labor and Stats. Bur. 10 ann. rpt., 1893, pp. 1190.)

— Massachusetts.

Wright (C. D.) History of wages and prices in Massachusetts: 1752-1883. Including comparative wages and prices in Massachusetts and Great Britain: 1860-83. [Being pts. III. and IV. of the 16. annual report of the Mass. Bureau of statistics of labor.] Boston: Wright & Potter Print. Co., 1885. 315, 57 pp. 8°.

Wadlin (Horace G.) Comparative wages and prices: 1860-1897. Boston: Wright & Potter Prtg. Co., 1898. vi, 41 pp. 8°. (Massachusetts. Labor Statistics Bureau.)

—— Graded prices. Boston: Wright & Potter, state prtrs., 1901. viii, pp. (1) 251-792. pap. 8°. (Mass. Labor Statistics Bureau.)

From the 31 ann. rpt. of the Mass. Bureau of Stats, of Labor.

# - New York.

Course (The) of prices in New York, 1825-43, and 1860-76, with various collateral branches of deductive results. (Economist, v. 34, pp. 1110-13. London, 1876. F°.)

Table showing the percentage of yearly prices to the mean price of staple articles in the New York market, 1825-80. (U. S. Finance Report, 1881, pp. 312-321.)

pp. 312-321.)
Continued in the reports for 1882 and 1883, and in the Mint report for 1884. See Qr. Jol. Economics, v. 1, p. 397.

**Prices** (Wholesale) current at New York, weekly. (The Commercial and Financial Chronicle. v. 1-29, passim. *New York*, 1865-79. F°.) From 1877 given monthly.

History, etc., United States, cont'd.

**Prices** of merchandise of principal articles of commerce in New York for the past eight years. (The Commercial and Financial Chronicle. v. 12, pp. 103. *New York*, 1871. F°.)

#### INDEX NUMBERS.

[Fleetwood (W.), successively bishop of Asaph and of Ely.] Chronicon preciosum; or, An account of English money, the price of corn, and other commodities, for the last 600 years. In a letter to a student in the University of Oxford. [By William Fleetwood.] London: C. Harper, 1707. 8 p. l., 181 pp., 3 l. 12°.

**Dutot** ( ). Réflexions politiques sur les finances et le commerce. *La Haye*, 1738. v. 1, pp. 365-377. 18°.

**Dupré de Saint-Maur** (N. F.) Essai sur les monnoies, ou reflexions sur le rapport entre l'argent et les denrées. *Paris*, 1746. pp. 5-6, 19-104, 161-182. 4°.

Evelyn (Sir George Schuckburgh). A Table exhibiting the Prices of various Necessaries of Life, together with that of Day Labour, in sterling Money, and also in Decimals, at different Periods, from the Conquest to the present Time, derived from respectable Authorities; with the Depreciation of the Value of Money inferred therefrom. To which is added the Mean Appreciation of Money, according to a Series of Intervals of 50 Years, for the first 600 Years; and, during the present Century, at shorter Periods, deduced by Interpolation. (Opposite p. 176 of An Account of some Endeavours to ascertain a Standard of Weight and Measure. In Royal Society Philosophical Transactions, 1798, pp. 133–182. 4°.)

Young (Arthur). An enquiry into the progressive value of money in England, as marked by the price of agricultural products; with observations on Sir G. Schuckburgh's Table of appreciation... London: B. Macmillan, 1812. viii, 65-137 pp. 8°.

**Lowe** (Joseph). The present state of England in regard to agriculture, trade and finance. *London*, 1822. pp. 261-291; appendix, pp. 85-101. 8°.

Scrope (G. Poulett). Principles of political economy...applied to the present state of Britain. London, 1833. pp. 405-408. 12°.

**Leber** (J. M. C.) Essai sur l'appreciation de la fortune privée au moyen age. *Paris*, 1847. 2. ed. 335 pp. 8°.

Walsh (R. H.) Elementary treatise on metallic currency. *Dublin*, 1853. pp. 94-96. 8°.

Soetheer (A.) Das Gold. (Die Gegenwart. Leipzig, 1856. pp. 587-588.)

Levasseur (E.) La question de l'or. Paris, 1858. 8°. pp. 179-195.

Maclaren (J.) Sketch of the history of the currency. London, 1858. pp. 311-312. 8°.

Newmarch (W.) Mercantile reports of the character and results of the trade of the United Kingdom during the year 1858; with reference to the progress of prices 1851-9. (Royal Statistical Society. Journal. v. 22, pp. 76-100. London, 1859. 8°.)

— Results of the trade of the United Kingdom during the year 1859; with statements and ob-

servations relative to the course of prices since the year 1844. (Royal Statistical Society. Journal. v. 23, pp. 76-110. *London*, 1860. 8°.)

— Commercial history and review of 1863. (Economist. Feb. 20, 1864, pp. 4, 40-46. London, 1864. F°.)

Continued annually thereafter.

Lespeyres (E.) Hamburger Waarenpreise 1851-63 und die Californisch-Australischen Goldentdeckungen seit 1848. (Jahrbücher für National-ökonomie. v. 3, pp. 81-118, 209-236. Jena, 1864. 8°.)

**Jevons** (W. S.) A serious fall in the value of gold ascertained, and its social effects set forth. 1863. (In his Investigations in currency and finance. *London*, 1884. pp. 15-118. 8°.)

— The variation of prices and the value of the currency since 1782. (Royal Statistical Society. Journal. June, 1865. London. 8°.)

———— (In his Investigations in currency and finance. *London*, 1884. pp. 119-150.)

— The depreciation of gold. (Economist. 8. May, 1869. London, 1869. F°.)

finance. London, 1884. pp. 151-159. 8°.)

**Drobisch** (M. W.) Über einige Einwürse gegen die in diesen Jahrbüchern veröffentlichte neue Methode, die Veränderungen der Waarenpreise und des Geldwerthes zu berechnen. (Jahrbücher für Nationalökonomie. v. 16, pp. 416-427. Jena, 1871. 8°.)

— Über Mittelgrössen und die Anwendbarkeit derselben auf die Berechnung des Steigens und Sinkens des Geldwerths. (Berichte der K. Sächs. Ges. d. Wissenschaften. 1871. Mathemat.-phys. Cl. Heft I.)

Ueber die Berechnung der Veränderungen der Waarenpreise und des Geldwerths. (Jahrbücher für Nationalökonomie und Statistik. v. 16, pp. 143-56. *Jena*, 1870. 8°.)

Laspeyres (E.) Die Berechnung einer mittleren Waarenpreissteigerung. (Jahrbücher für Nationalökonomie. v. 16, pp. 296-314. Jena, 1871. 8°.)

Passche (H.) Über die Preisentwicklung der letzten Jahre nach den Hamburger Börsennotirungen. (Jahrbücher für Nationalökonomie und Statistik. v. 23, pp. 166-78. Jena, 1874. 8°.)

**Walker** (A.) The science of wealth. *Boston*, 1874. 7. ed. pp. 177-178, 481, 488.

**Hanauer** (A.) Études économiques sur l'Alsace ancienne et moderne. *Paris*, 1878. v. 2, pp. 601-600.

609.
The "Conclusion" gives a "resumé général" of the "pouvoir de l'argent en general."

Paasche (H.) Studien über die Natur- der Geldentwerthung und ihre praktische Bedeutung in den letzten Jahrzehnten. Jena, 1878. 173 pp. (Staatswissenschaftliches Seminar, Halle a. S. Sammlung nationalökonomischer u. statistischer Abhandlungen. Bd. I.)

Rise (The) in the value of gold. (Banker's Magazine. London, 1878. pp. 842-848. 8°.)

**Bourne** (S.) On some phases of the silverquestion. (Royal Statistical Society. Journal, June, 1879. pp. 413-417. *London*. 8°.) Index Numbers, cont'd.

Foville (A. de). La mouvement des prix dans le commerce extérieur de la France. (L'Économiste français. July 5th, 1879, pp. 3-5; July 19th, 1879, pp. 64-65; Nov. 1st, 1879, pp. 533-534. Second series, April 29th, 1882, pp. 503-505; June 17th, 1882, p. 504. Paris. 8°.)

Giffen (R.) Report to the secretary of the Board of Trade on the prices of exports of British and Irish produce in the years 1861-1877. (Great Britain, Parliamentary documents, Sess. 1879, c. 2247, pp. 2-15. F°.)

- On the fall of prices of commodities in recent years. (Royal Statistical Society. Journal, March, 1879. London. 8°.)

- (In his Essays in finance. London, 1880. 8°. Sec. I, The extent of the fall. pp. 312-322.)

· Report to the secretary of the Board of Trade on the prices of exports of British and Irish produce, and the prices of imports, in the years 1861-78. (Parliamentary documents, Session 1880, c. 2484, pp. 3-27.)

Burchard (H. C.) (In U. S.—Treasury Dept. Annual report of the Secretary on the state of the finances. 1881, pp. 312-321; 1882, pp. 252-254; 1883, pp. 316-318. Also, in U. S. Mint. Report of the Director on the production of precious metals in the U. S., 1884. pp. 497-502.)

Fauveau (G.) Comparison du pouvoir de la monnaie à deux époques différents. (Journal des Economistes. June, 1881. pp. 354-359. Paris.

8°.)

Borght (R. v. d.) Die Preisentwickelung während der letzten Decennien nach der Hamburger Börsennotirungen. (Jahrbücher f. Nationaloekonomie . . . N. F. v. 5, pp. 177-185. Jena, 1882. 8°.)

**Sidgwick** (H.) On the definition and measure of value. (In his Principles of political economy. London, 1883. 8°. Book 1, Chapter 2, pp. 52-69.)

Edgeworth (F. Y.) On the method of ascertaining a change in the value of gold. (Royal Statistical Society. Journal. v. 46, pp. 714-718. London, 1883. 8°.)

**Hansard** (L.) On the prices of some commodities during the decade 1874-83. Paper read before the Bankers' Institute, 1884. (Institute of Bankers. Journal. Jan., 1885, pp. 1-42. London.

Giffen (R.) Report to the secretary of the Board of Trade on recent changes in the amount of the foreign trade of the United Kingdom and the prices of exports and imports. (Parliamentary documents, Sess. 1885, c. 4456, pp. iii-viii, 1-53.)

- Trade depression and low prices. **pp.** 16-22.)

**Massachusetts.**—Bureau of Statistics. 6th annual report. Boston, 1885. 8°. pp. 154-156.

Mulhall (M. G.) History of prices since the year 1850. London, 1885. 190 pp. 12°.

 On the variations of price-levels since 1850. (Brit. Assoc. for the Adv. of Sci. 55th meeting, 1885. *London*, 1886. 8°. pp. 1157-1158.)

Bourne (S.) On the use of index numbers in the investigation of trade statistics. (Brit. Assoc. for the Adv. of Sci. Report of 55th meeting. Lon don, 1886. 8°. pp. 859-873.)

**Newcomb** (S.) The measure of value by an absolute standard. (In his Principles of political economy. New York, 1886. 8°. pp. 205-214.)

Walras (L.) D'une méthode de régularisation de la variation de valeur de la monnaie. (Soc. vau-doise de Sciences naturelles. Bulletin. Lausanne, 

appliquée. Lausanne, 1898. 8°. pp. 26-49.

Simon (A.), and Walras (L.) Contributions à l'étude des variations des prix depuis la suspension de la frappe des écus d'argent. (Société vaudoise des Sciences naturelles. Bulletin. Lausanne, 

politique appliquée. Lausanne, 1898. 8°. pp. 49-61.)

Comparison of alterations of prices in England, France, the United States, Germany, and India, with remarks on the exchange, and other matters connected with the standard of value. Methods of investigation employed. (In: Third re port of roy. com. on depression of trade and industry, pp. 328-342. Great Britain. Parl. Papers. Sess. 1886. v. 23.)

Palgave (R. H. I.) Currency and standard of value in England, France, and India, and the rates of exchange between these countries. (Great Britain. Royal Commission on Depression of Trade and Industry. Memorandum. London, 1886. 3d Report, Appendix B, pp. 312-390. London, 1885-86. F°.)

Sauerbeck (G.) Prices of commodities and the precious metals. (Royal Statistical Society. Journal. Sept., 1886, pp. 581-631. Appendix, pp. 632-648. London. 8°.)

Coggeshall (F.) The arithmetic, geometric, and harmonic means. (Quar. Jour. of Economics. Oct., 1886, pp. 83-86. Boston. 8°.)

Beaujon (A.) Sur la question des "index (Institut international de Statistique. Bulletin, 1887. pp. 106-114, 115-116, 117-126. Rome. 4°.)

Conrad (J.) Beiträge zur Beurteilung der Preisreduktion in den 80er Jahren. (Jahrbücher für Nationaloekonomie und Statistik, 1887. N. F. Bd. 15, pp. 322-331. Jena. 8°.)

Edgeworth (F. Y.) The choice of means. (London, Edinburgh and Dublin Philosophical Magazine. Sept., 1887. pp. 268-271. London. 8°.)

Memorandum of the secretary of the committee [appointed by the Brit. Assoc. for the Adv. of Sci. for the purpose of investigating the best methods of ascertaining and measuring variations in the value of the monetary standard]. (Brit. Assoc. for the Adv. of Sci. Report of 57th meeting, 1887. London, 1888. 8°. pp. 254-301.)

Giffen (R.) Evidence before the Royal Commission on Gold and Silver, 1st report. London, 1887. 4°, pp. 663-793; F°, pp. 34-42.)

- Index numbers. (Institut international de Statistique. Bulletin. pp. 126-131. Rome, 1887.

Index Numbers, contd.

**Kral** (F.) Geldwert und Preisbewegung im Deutschen Reiche, 1871–1884. *Jena*, 1887. 8°. pp. 63–111. (Staatswissenschaftliche Studien. Heft 3.)

Marshall (A.) Remedies for fluctuations of prices. (Contemporary Review. March, 1887. pp. 371-375. London. 8°.)

**Nicholson** (J. S.) The measurement of variations in the value of the monetary standard. Royal Statistical Society. Journal. March, 1887. *London*. 8°.)

\_\_\_\_\_ (In his Treatise on money. Edinburgh, 1888. 12°. pp. 298-331.)

Report [First-Fourth] of the Committee, consisting of Mr. S. Bourne, Professor F. Y. Edgeworth (Secretary), Professor H. S. Foxwell, Mr. Robert Giffen, Professor Alfred Marshall, Mr. J. B. Palgrave, and Professor H. Sidgwick, appointed for the purpose of investigating the best methods of ascertaining and measuring variations in the value of the monetary standard. (Report of the Brit. Assoc. for the Adv. of Sci., 1887–1890. 8°.)

"List of the principal authorities cited," 1887, pp. 300-301.

Rogers (J. E. T.) On prices generally between 1583-1702. (In his History of agriculture and prices in England. Oxford, 1887. 8°. v. 5, pp. 778-800.)

Sauerbeck (A.) [Evidence in First Report of Roy. Comm. on recent changes in relative values of the precious metals. *London*, 1887. pp. 47-57.] (Br. Parl. Papers. 1887. v. 22.)

**Bourne** (S.) Index numbers as illustrating the progressive exports of British produce and manufactures. (Brit. Assoc. for the Adv. of Sci. Report of 58th meeting, 1888. *London*, 1889. 8°. pp. 536-540.)

Edgeworth (F. Y.) Some new methods of measuring variations in general prices. (Royal Statistical Society. Journal. June, 1888. pp. 346-368. London. 8°.)

Nasse (E.) Das Sinken der Warenpreise während der letzten fünfzehn Jahre. (Jahrbücher für Nationaloekonomie und Statistik, 1888. N. F. Bd. 17, pp. 51-53. Jena. 8°.)

Andrews (E. B.) An honest dollar. (Amer. Econ. Assoc. Publ. v. 4, no. 6, pp. 38-39. New York, 1889. 8°.)

Edgeworth (F. Y.) Appreciation of gold. (Quarterly Journal of Economics. Jan., 1889. pp. 151-169. Boston. 8°.)

— Memorandum on the accuracy of the proposed calculations of index numbers attached to the 2d report of the committee [appointed for the purpose of investigating the best methods of ascertaining and measuring variations in the value of the monetary standard]. (Brit. Assoc. for the Adv. of Sci. Report of 58th meeting, 1888. *London*, 1889. 8°. pp. 188-219.)

McAlister (Donald). "The law of the geometric mean." (Royal Society of London. Proceedings. v. 29, pp. 367-376. London, 1889. 8°.)

Bourne (S.) Index numbers as applied to the statistics of exports and imports. (Brit. Assoc. for the Adv. of Sci. Report of 59th meeting, 1889. London, 1890. 8°. pp. 696-701.)

Conrad (J.) Die Entwickelung des Preisniveaus in den letzten Decennien und der deutsche Getreidebedarf in den letzten Jahren. (Jahrbücher für Nationaloekonomie und Statistik, 1890. 3. Folge. Bd. 17. pp. 642–660. Jena. 8°.)

Edgeworth (F. Y.) Memorandum attached to the 3d report of the committee [appointed for the purpose of investigating the best methods of ascertaining and measuring variations in the value of the monetary standard]. (Brit. Assoc. for the Adv. of Sc. Report of 59th meeting, 1889. London, 1890. 8°. pp. 133-164.)

Nasse (E.) Das Geld und Münzwesen. (Schönberg's Handbuch der politischen Oekonomie. Tübingen, 1890. v. 2, pp. 331-332.)

Sauerbeck (A.) Prices of commodities in 1888 and 1889. (Royal Statistical Society. Journal. March, 1890. v. 53, pp. 141-145. London. 8°.)

Westegaard (H.) Die Grundzüge der Theorie der Statistik. (Jena, 1890. 8°. pp. 218-220.)

Andews (E. B.) Institutes of economics. Boston, 1891. pp. 141-142. 8°.

Sauerbeck (A.) Prices of commodities in 1890. (Royal Statistical Society. Journal. March, 1891. pp. 128-137. London. 8°.)

Falkner (R. P.) Report of the statistician. (U. S. 52d Congress, I. sess. Report of the Committee on Finance. v. I, pp. xi-c. Washington, 1892. 8°.)

— (U. S. 52d Congress, 2. Sess. Report of the Committee on Finance. v. 1, pp. 27-337. Washington, 1893. 8°.)

Foville (A de). Prix. (Nouveau dictionnaire d'économie politique. *Paris*, 1892. 8°. v. 2, pp. 607-612.)

Walras (L.) Geometrical theory of determination of prices. (Annals of the American Academy of Political Science. v. 3, pp. 45-64. *Philadelphia*, 1892. 8°.)

**Lindsay** (S. McC.) Die Preisbewegung der Edelmetalle seit 1850. *Jena*, 1893. 8°. (Staatswissenschaftliches Seminar, Halle a./S. Sammlung nationalökonomischer und statistischer Abhandlungen. Bd. 7, no. 3.)

Sauerbeck (A.) Prices of commodities during the last seven years. (Royal Statistical Society. Journal. June, 1893. pp. 215-238; Appendix, pp. 239-247, 254. London. 8°.)

**Zuckerkandl** (R.) Die statistische Bestimmung des Preisniveaus. (Handwörterbuch der Staatswissenschaften. v. 5, pp. 242-251. Jena, 1893. 4°.)

Avenel (G. d'). Histoire économique de la propriété, des salaires, des denrées, et de tous les prix en général depuis l'an 1200 jusqu'en l'an 1800. Paris, 1894-98. 4 v. 4°. v. 1. pp.6-13, 27, 32, 137.

Edgeworth (F. Y.) Average. Index numbers. (Palgrave, R. H. I.) Dictionary of political economy. London, 1894-96. 8°. v. I, p. 74; v. 2, pp. 384-387.)

— Recent writings on index numbers. (Economic Journal, 1894. pp. 158-165. London. 8°.)

Sauerbeck (A.) Prices of commodities in 1893. (Royal Statistical Society. Journal. March, 1894. pp. 172-183. London. 8°.)

Index Numbers, cont'd.

Zuckerkandl (R.) Le mesure des transformations de la valeur de la monnaie. (Rev. d'écon. politique. 1894. pp. 237-253. Paris. 8°.)

**Avenel** (G. d'). La fortune privée à travers sept siècles. *Paris*, 1895. 16°. pp. 4-14, 37.

**Bowley** (A. L.) Comparison of the rates of increase of wages in the United States and in Great Britain, 1860-91. Paper read before the British Association . 1895. (Economic Journal. vol. 5, pp. 369-383. *London*, 1895. 8°.)

A summary is given in the Report of the British Association for the advancement of science, 1895, pp. 775-776.

**Denis** (H.) La depression économique et sociale et l'histoire des prix. *Ixelles-Bruxelles*, 1895. 8°.

pp. 9-34. **Fonda** (A. I.) The standard of value. (In his Honest money. *New York*, 1895. 12°. pp. 158-161, 165.)

Fraser (J. A.), and Sergel (C. H.) Sound money. Chicago, 1895. p. 171.

**Pierson** (N. G.) Index numbers and the appreciation of gold. (Economic Journal. Sept., 1895. pp. 329-335. *London*. 8°.)

Sauerbeck (A.) Prices of commodities in 1894. (Royal Statistical Society. Journal. March, 1895. pp. 140-154. London. 8°.)

Index numbers of prices. (Economic Journal, June, 1895. pp. 161-174. London. 8°.)

Taussig (F. W.) Results of recent investigations on prices in the United States. (Inst. internat. de Statistique. Bulletin, 1895. pp. 22-32. Rome. 4°.)

Whitehead (T. H.) The critical position of British trade with Oriental countries. (Royal Colonial Institute. Proceedings. *London*, 1895. 8°. v. 26, pp. 105-163.)

Wiebe (G.) Zur Geschichte der Preisrevolution des 16. und 17. Jahrhunderts. *Leipzig*, 1895. 8°. pp. 163-174; tables, pp. 369-386.

Bourguin (M.) La mesure de la valeur et la monnaie. Paris, 1896. 8°. pp. 134-139.

Edgeworth (F. Y.) A defence of index numbers. (Economic Journal. March, 1896. pp. 132-142. London. 8°.

Minnesota.—Bureau of Labor. Annual report, 5th. pp. 26-30. St. Paul, 1896. 8°.

**Oker** (C. W.) The fallacy of index-numbers. (Journal of Political Economy. v. 4, pp. 515-522. *Chicago*, 1896. 8°.)

**Pierson** (N. G.) Further considerations on index-numbers. (Economic Journal. v. 6, pp. 127-131. *London*, 1896. 8°.)

Price (L. L.) Money and its relations to prices—being an enquiry into the causes, measurement, and effects of changes in general prices. *London*, 1896. 12°. pp. 9-36.

Sauerbeck (A.) Prices of commodities in 1895. (Royal Statistical Society. Journal. March, 1896. pp. 186-201. London. 8°.)

Smith (J. A.) The multiple money standard. (Amer. Acad. of Polit. and Soc. Sci. Publications. 1895. pp. 27-30. *Philadelphia*. 8°.)

Atkinson (F. J.) Silver prices in India. (Royal Statistical Society. Journal. March, 1897. pp. 84-147. London. 8°.)

**Pomeroy** (E.) The multiple standard for money. (Arena. Sept., 1897. pp. 331-333. Boston. 8°.)

Sauerbeck (A.) Prices of commodities in 1896. (Royal Statistical Society. Journal. March, 1897. pp. 180-194. *London*. 8°.)

Mayo-Smith (R.) Movements of prices. (Political Science Quarterly. Sept., 1898. pp. 477-494. New York. 8°.)

Parsons (F.) Rational money. A national currency intelligently regulated in reference to the multiple standard. *Philadelphia*, 1898. 8°. pp. 113-138.

Sauerbeck (A.) Prices of commodities in 1897. (Royal Statistical Society. Journal. March, 1898. pp. 149-162. London. 8°.)

Walras (L.) Études d'économie politique appliquée. Lausanne, 1898. 8°.

Wicksell (K.) Geldzins und Güterpreise. Jena, 1898. 8°. pp. 6–16.

Sauerbeck (A.) Prices of commodities in 1898. (Royal Statistical Society. Journal. March, 1899. pp. 179–193. London. 8°.)

**Falkner** (R. P.) Wholesale prices, 1890 to 1899. (U. S. Dept. of Labor. Bulletin, no. 27. pp. 237–313. *Washington*, 1900. 8°.

Nos "Index Numbers." (La Reforme Économique. 9. année, pp. 5-6. Paris, 1900. F°.)

**Padan** (R. S.) Prices and index numbers. (Journal of Political Economy. March, 1900. pp. 171-202. *Chicago*. 8°.)

**Sauerbeck** (A.) Prices of commodities in 1899. (Royal Statistical Society. Journal. March, 1900. pp. 92–106. *London*. 8°.)

Adams (T. S.) Index numbers and the standard of value. (Jour. Polit. Econ. v. 10, pp. 1-31. Chicago, 1901.)

Walsh (Correa Moylan). The measurement of general exchange-value. New York: Macmillan, 1901. xiv (ii), 574 pp. 8°.

Pages 553-574 contain a chronological "Bibliography of works dealing with the measurement of the exchange-value of money by comparing many prices."

# PRICES AND MONEY.

See also BIMETALLISM, MONEY, etc., in the Index Catalogue of the library.

**Schoenhof** (J.) A history of money and prices: being an inquiry into their relations from the thirteenth century to the present time . . . New York: G. P. Putnam's Sons, 1896. xvii, 352 pp. 12°. (Questions of the day, no. 86.)

Bonn (M. J.) Spaniens Niedergang während der Preisrevolution des 16. Jahrhunderts. Ein induktiver Versuch zur Geschichte der Quantitätstheorie. Stuttgart: J. G. Cotta, 1896. viii, 199 pp. 8°. (Muenchener volkswirtschaftliche Studien 12.)

Wiebe (Georg). Zur Geschichte der Preisrevolution des XVI. und XVII. Jahrhunderts. 419 pp. (Staats-u. socialwiss. Beitr. *Leipzig*, 1894. 8°. v. 2, pt. 1.)

[Dupré de St.-Maur (N. F.)] Essai sur les monnoies, ou, Reflexions sur le rapport entre l'argent et les denrées. *Paris: J. B. Coignard*, 1746. xxii, 1 l., 220, 188 pp., 1 tab. 4°.

Prices and Money, cont d.

Ricardo (David). The high price of bullion, a proof of the depreciation of Bank notes. London: J. Murray, 1810. iv, 56 pp. 3. ed. 8°.

**Bosanquet** (Charles). Practical observations on the Report of the bullion-committee. With a supplement. London: J. M. Richardson, 1810. 1 p. l., v-viii, 134 pp. 2. ed. 8°.

Ricardo (David). Reply to Mr. Bosanquet's Practical observations on the report of the Bullion committee. London, 1811. 8°.

Chapter vi, "Observations on the principles of seignorage," contains the first formulation of the quantity theory of money.

Tooke (Thomas). State of the circulation from the commencement of 1833 to the close of 1837. 66 pp. Bd. with: Harley (James). The currency. Glasgow, 1839. 8°. Extr.: Tooke (Thomas). A history of prices. Section 6.

[Wood (W. R.)] The management of the circulation in connection with the fluctuations of prices. [By William Rayner Wood.] Manchester: f. Harrison, 1840. 2 p. l., 24 pp. 8°.

Tilden (Samuel Jones). Speech at New Lebanon, Oct. 3, 1840. On currency, prices and wages. 20 pp. [Albany, 1840.] 8°. (Rough Hewer extra.)

Action (The) of money on prices. (The Economist. v. 2, pp. 890-91. London, 1844. F°.)

Lindsay (S. M.) Die Preisbewegung der Edelmetalle, seit 1850, verglichen mit der der andern Metalle unter besonderer Berücksichtigung der Produktions- und Konsumtionsverhältnisse. Jena: G. Fischer, 1893. xiii, 218 pp., 1 l., 1 diag. 8°. (Staatswiss. Seminar Halle a. S. Samml. nationalökonom. und statistis. Abhandl. v. 7, no. 3.)

Effect on the price of commodities from the increase of gold. (Banker's Magazine. v. 12, pp. 346-352; 588-592. London, 1852. 8°.)

Levasseur (E.) Une méthode pour mesurer la valeur de l'argent. (Journal des Économistes. 2. série, v. 10, pp. 228-50. Paris, 1856. 8°.)

Knies (Karl). Ueber die Geldentwerthung und die mit ihr in Verbindung gebrachten Erscheinungen. v. 14, pp. 260-292. Tübingen, 1858. 8°.)

Jevons (William Stanley). A serious fall in the value of gold ascertained and its social effects set forth. (In his Investigations in currency and finance. pp. 13-118. *London*, 1884. 8°.)

Originally published in 1863.

— The variations of prices and the value of the currency since 1782. (In his Investigations in currency and finance. no. 3, pp. 119-150. London, 1884. 8°.)
Also in Royal Statistical Society. Journal. June, 1865, v.

28, pp. <del>294-320,</del>

). Ueber den Einfluss des Credites Nasse ( auf den Tauschwerth der edlen metalle. (Zeitschrift für die gesamte Staatswissenschaft. v. 21, pp. 128-164. Tübingen, 1865. 8°.)

Prices as affected by the Gold Discovery. (North British Review. v. 42, pp. 150-164. New York, 1865. 8°.)

Jevons (William Stanley). The depreciation of gold. (In his Investigations in currency and finance. pp. 151-59. London, 1884. 8°.)

A letter to the Economist, May 8, 1869, vol. 27, pp. 530-32, and reprinted in Royal Statistical Society, Journal, Dec., 1869, vol. xxxii, pp. 445-49.

General prices and the appreciation of gold. (The Commercial and Financial Chronicle. v. 23, pp. 462-464; 510-512. New York, 1870. F°.)

Held ( ). Noch einmal über den Preis des Geldes. Ein Beitrag zur Münzfrage. (Jahrbücher für Nationalökonomie. v. 16, pp. 315-340. Jena, 1870. 8°.

Laughlin (J. Laurence). Gold and prices since 1873. (Quarterly Journal of Economics. v. 1, pp. 319-355, 385-399. Boston, 1887. 8°.)

Soetbeer (Ad.) Zur Statistik der edelmetalle in den Jahren 1876-1880. (Jahrbücher für Nationalökonomie und Statistik. 2. F., 2. B., pp. 347-415. Jena, 1881. 8°.)

Spooner (Lysander). The law of prices: a demonstration of the necessity for an indefinite increase of money. Boston, 1877. 8°.

**Soetbeer** (Georg Adolph). Edelmetall-Produktion und Werthverhältniss zwischen Gold und Silber, seit der Entdeckung Amerikás bis zur Gegenwart. (Petermann, A. H. Mittheilungen., Ergänzband, 13. Ergänzungsheft 57. Gotha, 1879. 4°.)

**Bourne** (Stephen). On some phases of the silver question. (Royal Statistical Society. Journal. v. 42, pp. 406-455. *London*, 1879. 8°.)

Földes (Weisz), Béla. Beiträge zur Frage über Ursachen und Wirkungen des Agios. (Jahrbücher für Nationalökonomie und Statistik. 2 F., Bd. 4, pp. 141-168; 245-291. Jena, 1882. 8°.)

Crump (Arthur). The alleged appreciation in the value of gold and the fall in the prices of commodities. (Economist. v. 41, pp. 578-579. London, 1883. F°.)

Gibbs (H. H.) The gold question and the fall of prices. London, 1883. 22 pp., I table. 8°. (Internat. Monetary Standard Assoc. Occasional papers. no. 6.)

Goschen (G. J.), M.P. The fall in prices and its explanation, including speech at the Institute of Bankers. [London, 1883.] 1 l., 27 pp. 8°. (International Monetary Standard Association. Occasional papers. no. 4.)

Edgeworth (F. Y.) The rationale of exchange. (Royal Statistical Society. Journal. v. 47, pp. 164-166. London, 1884. 8°.)

Leroy-Beaulieu (Paul). La question mone-taire. (L'Économiste français. 12. année, vol. 2, pp. 629-631, 660-663. Paris, 1884. F°.)

Allard (A.) La crise.—la baisse des prix. Bruxelles, 1885. 208 pp. 4°.

Mulhall (M. G.) Prices and the gold supply. (Contemporary Review. v.48, pp. 188-199. London, 1885. 8°.)

Foldes (Béla). Bemerkungen über den Einfluss der Geldeinheit auf die Preise. (Jahrbücher für Nationalökonomie und Statistik. 2. F., 12. Bd., pp. 565-75. Jena, 1886. 8°.)

Sauerbeck (Augustus). Prices of commodities and the precious metals. (Royal Statistical Society. Journal. v. 49, pp. 581-648. London, 1886. 8°.)

Soetbeer (Ad.) Materials toward the elucidation of the economic conditions affecting the precious metals and the question of standards, translated by F. W. Taussig. (United States ConPrices and Money, cont'd.
sular reports, No. 87, Appendix D. Washington, 1887. 8°.)

— Same, App. xvi. Final Report Roy. Comm. on recent changes in relative values of Precious Metals. (Br. Parlt. Papers, 1888. v. 45.)

**Crump** (A.) An investigation into the causes of the great fall in prices which took place coincidently with the demonetisation of silver by Germany. *London*, 1889. 8°.

Farrer (Sir T. H.) What do we pay with? or, gold, credit and prices. London, 1889. 95 pp. 8°.

**Frewen** (M.) On prices; the silver question [speech, Oct. 4, 1889]. [London, 1889.] n. d. 26 pp. 8°.

**Quantity** of money and prices. (The Statist. v. 26, pp. 247-8. *London*, 1890. F°.)

Seetbeer (Ad.) Edelmetall-gewinnung und Verwendung in den Jahren 1881 bis 1890. (Jahrbücher für Nationalökonomie und Statistik. 3. F., 1. Bd., pp. 518-571. *Jena*, 1891. 8°.)

Luzzatti (G.) Prezzi ideali e prezzi effetivi: note di studio sul valore della moneta in una economia di popolo. *Milano*, 1892. 8°. (Studi giuridici e politici.)

**Barclay** (R.) Disturbance in the standard of value. *London*, 1893. 107 pp. 8°.

**Binns** (Henry). Gold supplies and trade revival. (The Economist. v. 52, pp. 1577-1578; 1607-1609. *London*, 1894. F°.)

**Böhm-Bawerk** (Eugen von). Der letzte Maasstab des Güterwertes. (Zeitschrift für Volkswirtschaft, Socialpolitik und Verwaltung. 3. Bd., pp. 184-230. *Prag*, 1894. 4°.)

Farrer (Sir T. H.) Shall we degrade our standard of value? (National Review. v. 24, pp. 165-189. London, Oct., 1894. 8°.)

**Shaw-Lefevre** (G. J.) The fall in prices of commodities, with special reference to depression and bimetallism. Address by G. J. S.-L. Reply... by Sir William H. Houldsworth. Rejoinder by G. J. S.-L. Bradford: Chamber of Commerce [1894]. 22, 24, 8 pp. 8°.

Auspitz (Rudolf). Der letzte Maasstab des Güterwertes und die mathematische Methode. (Zeitschrift für Volkswirtschaft, Socialpolitik und Verwaltung. Bd. 3, pp. 489-511. Prag, 1894. 4°.)

Warner (A. J.), general. Prices on a gold basis. The last act in the monetary revolution begun in 1873 and its results—Cause of the decline in value of farm products. [Going to a gold basis. How the process will affect the U. S.] n. t. p. [Washington, 1894?] 15 pp. 8°.

Atkinson (E. A.) Battle of standards and fall of prices. (Forum. v. 19, pp. 143-158. New York, 1895. 8°.)

**Bliss** (H. L.) Bad money and wages. [Chicago? 1895.] 4 pp. 8°.

Eastern bimetallic league. Exchange and prices. I., Agriculture; II., Textile manufacture. Shanghai: "North China Herald" office, 1895. 1 p. l., 6 pp. 12°.

Reprint from the "North-China Daily News," 18, 19 Feb., 1895.

Foxwell (H. S.) Lord Farrer on the monetary standard. (National Review, v. 24, Jan., pp. 637-660. *London*, 1895. 8°.)

Hardy (Miss S. McLean). The quantity of money and prices, 1860–1891. (Journal of political economy. v. 3, pp. 145–168. Chicago, 1895. 8°.)

Answered by President Walker in Quarterly journal of economics, July, 1895.

Walker (Francis A.) The quantity theory of money. (Quarterly journal of economics. July, 1895. v. 9, pp. 372-379. Boston, 1895. 8°.)

In answer to Miss Hardy's article in the Journal of political economy, March, 1895.

McVey (F. L.) Quality of money and wages. (In: Sound currency, 1895. New York, 1895. 8°. pp. 385-400.)

Reprint. v. 2, no. 19, September 1, 1895.

Moore (Robert). Farm products, wages and silver... [St. Louis? 1895?] 7 pp. 3. ed. 8°.

Bourguin (Maurice). La mesure de la valeur et la monnaie. Tables. Paris, 1896. 276 pp. 8°.

Foville (A. de.) La théorie quantitative et les prix. (L'Économiste français. 24. année, vol. I, pp. 451-53, 561-63, 629-31. Paris, 1896. F°.)

**Mitchell** (W. C.) The quantity theory of the value of money. (Journal of political economy. v. 4, pp. 139-165. *Chicago*, 1896. 8°.)

Willis (H. Parker). The history and present application of the quantity theory. (Journal of political economy. v. 4, pp. 417-448. *Chicago*, 1896. 8°.)

Mitchell (W. C.) The new gold and the fall of prices. (Journal of Political Economy. v. 5, pp. 84-85. Chicago, 1896. 8°.)

**Prentiss** (P.) Money and prices as affecting the producer and the wage-worker... [Chicago: Amer. Bimetallic Union, 1896.] 68 pp. 3. ed. 24°. (Economy Series, no. 1.)

Price (L. L. F. R.) Money and its relation to prices: being an inquiry into the causes, measurement, and effects of changes in general prices. vi, (2) 200 pp. London: Swan Sonnenschein & Co., 1896. 12°. (Social Science Series.)

Atkinson (Fred. J.) Silver prices in India. (Royal Statistical Society. Journal. v. 60, pp. 84-147. London, 1897. 8°.)

— Silver prices in India for 1897. (Royal Statistical Society. Journal. v. 61, pp. 387-403. London, 1898. 8°.)

Conant (C. A.) Effect of the new gold upon prices. (North American Review. v. 165, pp. 542-52. New York, 1897. 8°.)

**Dodsworth** (W.) Prices depend on supply and demand, and not on the amount of money in circulation... Chicago: Nat. Sound Money League, 1897. 15 pp. 8°. (National Sound Money League. Sound money pamphlets, B.)

Falling prices in silver countries. (Yale Review. v. 6, pp. 77-79. New Haven, 1897. 8°.)

Roberts (George E.) Money, wages, and prices. Chicago: National Sound Money League, 1897. 96 pp. sq. 12°. (National Sound Money League, Pamphlet D.)

Prices and Money, cont'd.

Scott (W. A.) The quantity theory. Philadelphia: Amer. Acad. Polit. & Soc. Sci., 1897. pp. 40-58. 8°. (Publications of the Amer. Acad. Polit. and Soc. Sci., No. 195.)

— The quantity theory. (Annals Amer. Acad. of Political and Social Sci. v. 9, pp. 212-230.) Philadelphia, 1897. 8°.

Wicksell (Knut). Der Bankzins als Regulator der Warenpreise. (Jahrbücher für National-ökonomie und Statistik. 3. F., 13. Bd., pp. 228-43. Jena, 1897. 8°.)

Farrer (SirT. H.) Quantitative theory of money

and prices. London, 1898. 10 pp. 8°.
\*Reviewed by Edwin Canan in Economic Journal, v. 8, pp. 81-83 (London, 1898).

Lloyd (T.) Wages, gold, and prices. (The Statist. v. 42, pp. 449; v. 43, pp. 422-23. London, 1898-99. F°.)

Mixter (C. W.) Samuel Bailey on appreciation. (Quarterly Journal of Economics. v. 12, pp. 343-348. Boston, 1898. 8°.)

Wicksell (K.) Geldzins und Güterpreise. Eine Studie über die den Tauschwert des Geldes bestimmenden Ursachen. Jena: G. Fischer, 1898. xi, 2 l., 189 pp. 8°.

Will (Thomas Elmer). Stable money. (Jour. of Polit. Economy. Chicago, 1898. 8°. v. 7, pp. 85-92.)

**Grant** (G. J. F.) Value of money and prices. (Westminster Review. v. 154, pp. 95-99. London, igoo. 8°.)

Humboldt ([F. W. H.] A. von), baron. The fluctuations of gold, by Baron A. von Humboldt. [Also:] The law of payment, by François Grimaudet. Translated into English, revised and annotated by William Maude. New York: Cambridge Encycl. Co., 1900. 45, v, I l., 5-76 pp., 2 l. 8°

Laburthe (Raymond). De l'influence de la monnaie sur les prix. (Rev. polit. et parlementaire. v. 24, pp. 508-543. Paris, 1900.)

Mayo-Smith (Richmond). Money and prices. Polit. Sci. Quar. v. 15, pp. 196-216. New York,

### REGULATION.

France.—Subsistances et des Approvisionnements, Commission des. [Tableau général du maximum de la Republique française.] Paris: Imp. Nationale Executive du Louvre, 1793. pts. 1-20. 2 v. 8°.

Leroy-Beaulieu (Paul). Un commencement d'application du collectivisme: la fixation du prix des choses par arrêté prefectoral, la gaz à Paris. (L'Économiste français. 11. année, vol. 1, pp. 597-599. Paris, 1883. F°.)

Marshall (A.) Remedies for fluctuations in prices. (Contemporary Review. v. 51, pp. 355-375. London, 1886. 8°.)

**Hadley** (A. T.) Legal theories of regulation of prices. (Yale Review. v. 1, pp. 56-67. New Haven, 1892. 8°.)

Goodnow (F. J.) Agreements aiming to raise prices are invalid. (Political Science Quarterly. v. 12, pp. 214-27. New York, 1897. 8°.)

Combinations to maintain prices not always illegal. (The Commercial and Financial Chronicle. v. 58, pp. 545-546. New York, 1899. F°.)

Shibley (G. H.) Who shall control the price level? (Arena, v. 23, pp. 68-87. Boston, 1900. 8°.)

Remarks on certain modern theories respecting rents and prices. Edinburgh: W. Blackwood, 1827. 1 p. l., 100 pp. 8°.

Hildreth (R.) High and low prices. (Hunt's Merchants' Magazine. v. 3, pp. 305-311. New York, 1840. 8°.)

Stirling (P. J.) The philosophy of trade; or, The outlines of a theory of profits and prices . . . Edinburgh: Oliver & Boyd, 1846. 8°

Observations sur la formation des prix. (Journal des Économistes. v. 29, pp. 111-28. Paris, 1851. 8°.)

Clément (Ambroise). De l'influence exercée par la hausse ou la baisse des valeurs sur la richesse générale. (Journal des Économistes. 2. série, v. 3, pp. 1-18. Paris, 1854. 8°.)

Accroissement (L') des prix est-il un signe de prospérité générale? (Annales de la Société d'Économie Politique. Séance du 6 mai, 1864, pp. 589-610; Séance du 7 septembre, 1885, pp. 169-180. Paris, 1891-1896. 8°.)

Roesler (H.) Zur Theorie des Preises. (Jahrbücher für Nationalökonomie und Statistik. v. 12, pp. 81-138. *Jena*, 1869. 8°.)

Laspeyres (E.) Die Berechnung einer mittleren Waarenpreissteigerung. (Jahrbücher für Nationalökonomie und Statistik. v. 16, pp. 296-314. Jena, 1870. 8°.)

Roesler (Dr. Hermann). Das Gesetz des Preises. (Annalen des Deutschen Reiches für Gesetzgebung, Verwaltung und Statistik. 1872, p. 532. *Leipsig*, 1872. 8°.)

Heitz (E.) Ueber die Methoden bei Erhebung von Preisen. (Jahrbücher für Nationalökonomie und Statistik. v. 26, pp. 65-87, 129-220; v. 27, pp. 316-68. Jena, 1876-77. 8°.)

What is a fair price? (Economist. v. 35, pp. 89-90, 119. London, 1877. F°.)

Leroy-Beaulieu (Paul). Du caractère permanent ou accidentel de la hausse des valeurs mobilières. (L'Économiste français. 7. année, vol. 1. 1870. DD. 373-75. Paris, 1879. F°.) vol. 1, 1879, pp. 373-75. Paris, 1879.

Gärtner (Friedrich). Beiträge zur Lehre von der Preisbildung auf Grund einer statistischen Betrachtung von Aktienkursen. (Annalen des Deutschen Reichs für Gesetzgebung, Verwaltung und Statistik. 1886, pp. 285-310. Leipzig, 1886.

Bourne (Stephen). Foreign and colonial tariffs as influencing prices and affecting trade. (Royal Statistical Society. Journal. v. 49, pp. 273-313. London, 1886. 8°.)

Neumann (F. J.) La formazione del Prezzo. Roma, 1886-87. 8°. (Biblioteca dell' Economista. Ser. 3. v. 11; 12, pt. 2.)

Atkinson (E.) Low prices, High Wages, Small profits; what makes them? (Century. v. 12, pp. 568-584. New York, 1887. 8°.)

Dans les oscillations des prix, est-il vrai que ce que l'un gagne l'autre le perd? (Annales de la Société d'Économie Politique. June, 1887. Paris, 1896. 8°.)

Theory, cont'd.

Borght (R. van der). Untersuchungen über den Einfluss der distributiven Gewerbe auf die Preise. (Schriften des Vereins für Socialpolitik. Bd. 36-37. *Leipsig*, 1888. 8°.)

Grasiani (A.) Storia critica della teoria del valore in Italia. *Milano*, 1889. 8°. Studi giurid. e polit.)

e polit.)

Lehr (Dr. J.) Wert, Grenzwert und Preis.
(Jahrbücher für Nationalökonomie und Statistik.
2. F., 19. Bd., pp. 17-56. Jena, 1889. 8°.)

Montanari (A.) Contributo alla storia della teoria del valore negli scrittori italiani. *Milano*, 1889. 8°. (Studi giurid, e polit.)

Patten (S. N.) The stability of prices. Philadelphia, 1889. 64 pp. 8°. (Amer. Econom. Assoc. Publications. v. 3, no. 6: Jan., 1889.)

Schwiedland (Eugen). Das Verhältniss der Gross- und Kleinhandelpreise. (Jahrbücher für Nationalökonomie und Statistik. 2. F., Bd. 19., pp. 249-75. Jena, 1889. 8°.)

Si la hausse des valeurs de bourse est un accroissement de la richesse publique. (Annales de la Société d'Économie Politique. Séance du 4 février, 1854, pp. 11-24. Paris, 1889. 8°.)

Verein für Social politik, Leipzig. Verhandlungen über den ländlichen Wucher, die Mittel zu seiner Abhülfe... und über Einfluss des Detailhandels auf die Preise... 3 p. l., 264 pp. Leipzig: Duncker & Humblot, 1889. 8°. (Verein für Socialpolitik. Schriften. Bd. 38.)

Zuckerkandl (R.) Zur Theorie des Preises, mit besonderer Berücksichtigung der geschichtlichen Entwicklung der Lehre. Leipzig, 1889. 8°

**Hobson** (J. A.) Elements of monopoly in prices. (Quarterly Journal of Economics. *Boston*, 1891. v. 6, p. 1-24. 8°.)

Fisher (Irving). Mathematical investigations in the theory of value and prices. (Connecticut Academy of Arts and Sciences. v. 9, pp. 1-124. New Haven, 1892. 8°.)

Gömöry (Dr. Olivier von). Der Preis als selbständige Kategorie. (Jahrbücher für Nationalökonomie und Statistik. 3. F., 13 Bd., pp. 177-92. Jena, 1897. 8°.)

**Utley** (A. J.) Does credit act on the general level of prices? (Arena. v. 18, pp. 37-48. *Boston*, 1897. 8°.)

**Cilleuls** (Alfred des). De la méthode dans les études rétrospectives sur les prix et valeurs. (Réforme sociale. *Paris*, 1898. 8°. Sér. 4, v. 6, pp. 885-897.)

Cassell (G.) Grundriss einer elementaren Preislehre. (Zeitschrift für die gesamte Staatswissenschaft. vol. 55, pp. 395-458. Tübingen, 1800. 8°.)

**Hobson** (John A.) The economics of bargaining. (Economic Rev. London, 1899. 8°. v. 9, pp. 20-41.)

Fuhr (E. A.) Zur Preisbildung aus meiner Erfahrung. (Ztsch. f. d. gesamte Staatswiss. v. 56, pp. 485-497. Tübingen, 1900.)

**Schmoller** (Gustav). Einige principielle Erörterungen über Werth und Preis. (Kön-preuss. Akad. der Wissensch. Sitzungsb. 1901, pp. 634-676.) *Berlin*, 1901.

### PRICES AND TRUSTS.

Roberts (George E.) Why the trusts cannot control prices. (Amer. Monthly Rev. of Rev. v. 20, pp. 305-308. New York, 1899.)

Parbury (George). A substitute for trusts. (Globe. v. 10, pp. 264-281. New York, 1900.)

Jenks (Jeremiah W.) Industrial combinations and prices. Washington, 1900. (U. S. Industrial Commission. Prelim. report on trusts. pp. 39-57.) With numerous charts showing effects of combinations on

— How trusts affect prices. (North Amer. Rev. v. 172, pp. 906-918. New York, 1901.)

# PRICES OF VARIOUS ARTICLES.

# AGRICULTURAL IMPLEMENTS.

Brown (L. W.) Agricultural implements in Scotland. 1890. (U. S. Cons. Rpts. v. 32, pp. 475-477. Washington, 1890. 8°.)
With table of prices.

**Dunlap** (J. H.) Exposition of agricultural machinery in Breslau, 1890. (U. S. Cons. Rpts. v. 33, pp. 496-500. Washington, 1890. 8°.)

With prices of German and English-made machinery.

Walthall (W. T.) Agriculture and agricultural implements in British Guiana. 1890. (U. S. Cons. Rpts. v. 34, pp. 477-483. Washington, 1890. 8°.)

8°.)
With table of average prices of food, etc., in Georgetown, during 1889.

## AGRICULTURAL PRODUCTS.

See also Cotton, Foodstuffs, Grain, Meat, etc.

Corn and grain... Accounts... received... from... the Prince Regent's consuls abroad, of the prices of corn, grain, meal and flour, and of other articles... of agriculture, at... places at which they reside... [in 1819]. [London, 1819.] 14 pp., I l. F°. (Great Britain. Parl. Papers. Sess. 1819, (521). v. 16.)

Recent accounts of the price of corn, grain, and other agricultural products... received from His Majesty's ambassadors and residents in foreign countries... [during the year 1820]. [London, 1821.] 8 pp. F°. (Great Britain. Parl. Papers. Sess. 1821, (190). v. 17.)

### Belgium.

**Produits** agricoles: prix moyen. (Annuaire stat. de la Belgique, 1881.)

Continued each year thereafter.

# Congo Free State.

**Mohun** (R. D.) Prices of goods for the Kongo. 1895. (U. S. Cons. Rpts. v. 48, pp. 585-587. Washington, 1895.)

With table of prices paid by Kongo Free State in Antwerp, and prices charged in Kongo Free State, May 28, 1894.

# France.

**Prix** moyens des produits agricoles pendant 1838, dans la région du nord oriental de la France. (Tableau récapitulatif.) (Statistique de la France. Sér. 1, v. 3, pp. 270-271. *Paris*, 1838. F°.)

— moyens des produits agricoles pendant 1838, dans la région du midi oriental de la France. (Tableau récapitulatif.) (Statistique de la France. Sér. 1, v. 3, pp. 574-575. *Paris*, 1838. F°.)

Agricul. Prod., France, cont'd.

**Prix** moyens des produits agricoles [1838?], dans la France orientale. (Tableau sommaire.) (Statistique de la France. Sér. 1, v. 3, pp. 620-621. *Paris*, 1838. F°.)

#### Germany.

Ergebnisse der Frucht-, Vieh-, u. Wollmärkte von 1838-41. (Württb. Jahrb. 1840, pp. 372-396. Stuttgart, 1841. 8°.)

#### - Hanover.

Preise (Die) landwirthschaftlicher Erzeugnisse in den Jahren 1854 bis 1865, an den hannoverschen Hauptmarktorten. (Beiträge zur Statistik des Königreichs Hannover. Hft. 12, viii-x.)

#### — Prussia.

Laspeyres (E.) Einzelpreise und Durchschnittspreise vegetabilischer und animalischer Produkte in Preussen während der 75 Jahre 1821 bis 1895. (Ztsch. d. kön. preuss. Statist. Bureaus. Jahrg. 41, pp. 51-81. Berlin, 1901.)

#### Great Britain.

Young (Arthur). An enquiry into the progressive value of money in England, as marked by the price of agricultural products; with observations upon Sir G. Schuckburgh's Table of Appreciation... viii, 65-137 pp. London: B. Macmillan, printer, 1812. 8°.

Returns "of total value of lands sold under the Incumbered Estates Court," etc. London, 1870. 3 pp. F°. (Great Britain. Parl. Papers, 1870. v. 57 pap. 101.)

Tables showing average prices of agricultural produce in 1850, 1860, and 1869.

Giffen (R.) Report to the Secretary of the [British] Board of Trade on the prices of exports of British and Irish produce in the years 1861-77. London, 1879. 15 pp. F°. (Parl. Papers, 1878/9. v. 65.)

**Prix** (Le) des produits agricoles dans le royaumeuni. (L'Économiste française. 7. année, v. 1, 1879, pp. 197–99. *Paris*, 1879. F°.)

Return "showing total quantities of various kinds of grain and flour imported in 1879 and 1880; the Gazette average prices of corn, with highest and lowest weekly average prices, and average annual prices of butchers' meat, wool, and other agricultural produce for same period. 1881. 10 pp. F°. (Great Britain. Parl. Papers. Sess. 1881, (264). v. 83.)

#### - Ireland.

Agricultural produce (Ireland). Return "of the names of the thirty-nine principal . . . markets of Ireland . . . with the prices of the different articles of agricultural produce . . . 1848[-1850]." [London, 1851.] 4 pp. F°. (Great Britain. Parl. Papers. Sess. 1851, (251). v. 50.)

Papers. Sess. 1852, (307). v. 47.)

**Bill** (A) to provide for taking and regulating returns of the average prices of agricultural produce in Ireland. [London, 1854.] 10 pp. F°. (Great Britain. Parl. Papers. Sess. 1854, (Bill 101). v. 1.)

Return "of the average prices of agricultural produce in Ireland, as collected by the Irish Land Comrs. year by year from 1881 to 1895." *London*, 1896. 3 pp. F°. (Br. Parlt. Papers, 1896. v. 92.)

---- Same, 1881-96. *Idem*, 1897. v. 98.

— Same, 1881–97. *Idem*, 1898. v. 102.

- Same, 1881-98. Idem, 1899. v. 106.

— of average prices of agricultural produce in the provinces and for the whole of Ireland, for the years 1887-92, respectively. *Dublin*, 1893. 10 pp. F°. (Great Britain. Parlt. Papers, 1893. v. 75.)

Ashby (N. B.) Prices of agricultural produce in Ireland. 1896. (U. S. Cons. Rpts. v. 51, pp. 523-524. Washington, 1896. 8°.)

#### — Scotland.

Great Britain.—Scottish Agricultural Prices, Committee on. Report . . . upon the existing methods of collecting and recording the prices of agricultural products in Scotland . . . London: Wyman & Sons, ltd., prtrs., 1901. xxi pp. pap. F°. Cd. 805. (Agriculture, Bd. of.)

— Minutes of evidence . . . with appendices and index. iv, 298 pp. Cd. 828.

#### Indo-China.

**Vergne** (P.) Les Prix du Café, du Sucre et de la Farine en Indo-Chine. (La Reforme Économique. 10. année, pp. 524-525. *Paris*, 1901. 8°.)

#### Russia.

**Way** (C. H.) Russian agriculture and cereal trade. 1889. (U. S. Cons. Rpts. v. 30, pp. 275-313. *Washington*, 1889. 8°.)

With tables of prices of flax, 1883-87; prices of agricultural products in 1887; prices of cereals, 1881-87; price of live cattle in Russia, 1882-87; price of field labor, 1887.

#### South Africa.

**Stowe** (J. C.) South African trade statistics. 1898. (U. S. Cons. Rpts. v. 57, pp. 554-563. *Washington*, 1898. 8°.)

With tables of average market prices of stock, and animal and agricultural products, 1807.

#### Spain.

McCrillis (R. F.) Raisins, grapes and onions in Spain. 1893. (U. S. Cons. Rpts. v. 42, pp. 210-212. Washington, 1893. 8°.)

With table of reports and prices of Denia raisins from 1883 to Apr. 22, 1893.

# United States.

Comparative prices of New Orleans sugar and molasses in New Orleans and Cincinnati. (Debow's Commercial Review. v. 1, pp. 379, 469. New Orleans, 1847. 8°.)

**Prices** of Sugar, Cotton, Flour, Corn, Pork, etc., at New Orleans. (Debow's Commercial Review. v. 4, pp. 396-97; v. 6, pp. 443-445. *New Orleans*, 1847-48. 8°.)

**Prices** of farm products. (Maine. State Dept. Statistics of the industries of Maine, 1886. Pp. 25-27.)

Tables for Maine, 1880-84, and for all the states for 1884.

United States.—Agriculture, Committee on. Fictitious and gambling transactions on the price of articles produced by American farm industry. April 21, 1888. [Washington,] 1888. 9 pp. pap. 8°.

Agricul. Prod., United States, cont'd.

Farm prices on Dec. 1, 1890, 1891, 1892, 1893 and 1894. 2 pp. Washington, 1895. (U. S. Agriculture dept. Yearbook, 1894. pp. 545-546.)

Wholesale prices of principal agricultural products in leading cities in the United States. 6 pp. Washington, 1895. (U. S. Agriculture dept. Yearbook, 1894. pp. 534-539)

Comparative prices of 109 staple articles, raw and manufactured products, produce, cattle and meats, at quarterly intervals. (Bradstreets. v. 24, pp. 19 and passim. New York, 1896. F°.)

Monthly after June, 1897.

Average prices for imports and exports [of agricultural products]. Washington, 1898-1900.

(U.S. Agriculture dept. Yearbook, 1897, pp. 749-752; 1898, pp. 718-721; 1899, pp. 836-839.)

Davis (K. B.) Tables relating to the price of wheat and other farm products. (Journal of Political Economy. v. 6, 403-10. New York, 1898. 8°.)

# BEER.

**Domergue** (Jules). Le Prix de la Biere à Paris et le Dégrèvement des Boissons. (La Réforme Économique. 10. année, pp. 869-870. *Paris*, 1901. 8°.)

#### BREAD.

See also FOODSTUFFS, GRAIN, etc.

#### France.

Prix du pain à Paris, de 1801 à 1844. (Journal des Économistes. v. 12, p. 182. Paris, 1845. 8°.)

Fougerousse (A.) Le prix du pain à Paris. (L'Économiste français. 12. année, vol. 2, pp. 535-537. *Paris*, 1884. F°.)

— Le pain et la coopération. (L'Economiste français. 13. année, vol. 1, pp. 6-7. Paris, 1885. F°.)

Parti Ouvrier Français: Commission spéciale. Le pain cher. Rapport présenté... le 9 Nov. 1897, au Conseil municipal de Toulouse, par le citoyen Bedouce... Toulouse: Parti Ouvrier Français [1898?]. 15 pp. 16°.

#### Germany.

Scheel (H.) Zur Statistik der Brotpreise in Deutschland. (Jahrbücher für Nationalökonomie und Statistik. 2. F., 15. Bd., pp. 205–222. Jena, 1887. 8°.)

**Hirschberg** (E.) Die Brotpreise in Berlin in den Jahren 1889–1897. (Jahrb. f. Nationalökonomie u. Statist. v. 54-70 (n. s. v. 5-15). *Jena*, 1890-'98.)

# Great Britain.

[Report from the select committee, Gt. Britain, respecting the assize of bread. Cost of the quartern-loaf according to the prices of wheat. Account of the prices given for beef, pork and wheat bought at ports of London, &c., for victualling the navy, from 1745-1765.] April, 1767. (H. of C. Journals, v. 31, pp. 319-325.)

**Bread.** [Gt. Britain.] An account of the average price of the quartern loaf in the city of London, from the year 1780 to 1815. [London, 1834.] 6 pp. F°. (Great Britain. Parl. Papers. Sess. 1834, (92). v. 49.)

[Long (C.)] A temperate discussion of the causes which have led to the present high price of bread. Addressed to the plain sense of the people. [By Charles Long.] London: J. Wright, 1800. 2 p. l., 45 pp. 3. ed. 8°.

\_\_\_\_ 2 p. l., 43 pp. 8°.

**Nasmith** (James). An examination of the statutes now in force relating to the assize of bread; with remarks on the bill intended to be brought into Parliament by the country bakers. Wisbech: J. White, 1800. 2 p. l., 85 pp., 1 l. 8°.

Great Britain.—Bread committee. Report from the select committee [Gt. Britain] on the existing regulations relative to the making and the sale of bread. [With appendix, containing minutes of evidence.] London [1821]. 20 pp. F°. (Parl. Papers. Sess. 1821, (426). v. 5.)

— Bakers' Allowances Committee. Report from Select Committee [Gt. Britain] on Allowances Granted to Bakers by the act 53 Geo. III., c. 116; in those places where an assize of bread is set. [Minutes of evidence. Prices of bread and of the articles used in making it. Price of candles. Journeymen's wages.] [London, 1824.] 20 pp. F°. (Parl. Papers. Sess. 1824, (212). v. 6.)

**Bread** [Gt. Britain]. An account of the total quantity... of bread purchased... by the Commissariat... from 1816 to 1831... with... average price... per quartern loaf, in each year. London [1832]. 11. F°. (Great Britain. Parl. Papers. Sess. 1831-32, (269). v. 27.)

Bread, &c. A return of the price of the best wheaten bread, wheaten flour [and red or white wheat]...in London, on the 1st November, 1845; also similar returns from Her Majesty's consuls abroad, at the same date. [London, 1846.] 56 pp., 1l. F°. (Great Britain. Parl. Papers. Sess. 1846, (7). v. 44.)

Bread, flour and wheat. Returns of the prices in London and Paris... of the best wheaten bread, [&c.,] November, 1846-June, 1847. [London, 1847.] 2 pp., I l. F°. (Great Britain. Parl. Papers. Sess. 1847, (152., 581). v. 59.)

**Kirkland** (J.) The relative prices of wheat and bread. (Economic Journal. v. 6, pp. 475-484. *London*, 1896. 8°.)

**Price** (The) of bread. 1899-1901. (Labour Gaz. v. 7, pp. 101; v. 8, pp. 259, 357; v. 9, p. 167. *London*, 1899-1901.)

## Italy.

Berni (A.) Il prezzo del pane (calmiere e forni cooperativi). Con appendici. Mantova: A. Mondovi e fig., 1897. 29 pp. 2 ed. 8°.

# Netherlands.

Hogendorp (Willem van). Ontwerp eener onderlinge waarborging tegen hooge broodpryzen, ten behoeve van den nyveren arbeidsman, aan alle gemeente-besturen en menschenvrienden binnen het ryk der Nederlanden, tot onderzoek en nadere wyziging aangeboden. Amsterdam: S. Delachaux, 1817. 4 p. l., 32 pp. 8°.

Brot- und Mehlpreise im Königreiche der Niederlande, 1851 bis 1855 (Zeitschr. Preuss. Stat. 31. Jahrg. 1891, St. K. xxvix-xxx). Berlin, 1891.

Bread, Netherlands, cont'd.

**Prijsen** van brood, voor en na de gemalafschaffing, 1. (De Economist. 1856, pp.63-64.)

Amsterdam, 1856. 8°.)

# Spain.

**Leiva** (Juan Martinez de). The price of bread in Madrid. (Economic Journal. v. 6, pp. 276-277. *London*, 1896. 8°.)

#### Switzerland.

Zuppinger (C.) Die Brotpreise 1895-96 (Kanton St. Gallen). (Schweizerische statistische Gesellschaft. Zeitschrift für schweizerische Statistik, 1896. pp. 461-82. *Bern*, 1896. 4°.)

#### CACAO.

**Sorsby** (W. B.) Cacao in Ecuador, 1892. (U. S. Cons. Rpts. v. 40, pp. 59-65. *Washington*, 1892. 8°.)

With table showing average price and bank rate of exchange by months, for 1887-91.

# CATTLE.

Monthly range of prices in Chicago market for cattle from Jan., 1888, to Dec. 31, 1892. (Montana. Agric., Labor and Indus. Bur. of. 1. Ann. rpt. p. 273.)

\_\_\_\_\_ 1892 to 1897. (5. Annual report, 1897. p. 111.)

#### COAL.

Great Britain.—Coal trade committee. Report of the Select Committee [Gt. Britain] on the State of the Coal Trade [with minutes of evidence and appendix]. [Rate of wages. Price of coals at collieries, at the port of shipment and in London. London, 1830.] 397 pp., 2 maps, 1 pl. F°. (Parl. Papers. Sess. 1830, (9). v. 8.)

Report from the select committee of the House of Lords [Gt. Britain] appointed to take into consideration the state of the coal trade in the United Kingdom; with the minutes of evidence... an appendix and index. [Price of coals at port of shipment and delivery. Wages of colliers, coal meters, whippers and Keelmen. Regulations as to price in the north. Account of the selling price of coals in the port of London, Jan., 1807-May, 1829.] [London, 1830.] 287 pp., 5 diagr., 1 map. F°. (Parl. Papers. Sess. 1830, (663). v. 8.)

Coal. An account of the prices of coals in the London coal market, on . . . market days . . . [in] 1830; and . . . 1831. [London, 1831.] 6 pp. (Great Britain. Parl. Papers. Sess. 1831, (165). v. 17.)

**Return** (A) of the price of coals furnished to the post-office packets at Liverpool, Portpatrick, Holyhead and Milford. (In: Report from the Select Committee [Gt. Britain] on Post Communication with Ireland... [London, 1832.] pp. 383. F°. (Great Britain. Parl. Papers. Sess. 1831-32, (716). v. 17.)

Great Britain.—Coal trade committee. Report from the Select Committee [Gt. Britain] on the State of the Coal Trade; together with the minutes of evidence and appendix. [Charges added to the price of coal. Wages of weighers, keelmen, etc. Prices of coal, 1823—June, 1836. Shipping prices of coals brought into the port of London, 1828—1835.] [London, 1836.] xliv, 286 pp. F°. (Great Britain. Parl. Papers. Sess. 1836, (522). v. 11.)

—— Report from Select Committee [Gt. Britain] on the Coal Trade (Port of London) Bill; with the minutes of evidence, appendix and index. [Effect of the factors' regulations on the prices. Sales of cargoes from the Wear and Tyne in London. Prices in the West Indies and export trade. Prices of Walls End coals. Wages of colliers, etc. Shipping prices of coals brought into the port of London, 1836–1837. Prices in the collieries of the Tyne, Wear and Tees.] [London, 1838.] x, 268, iy, 36 pp., Il. F°. (Great Britain. Parl. Papers, Sess. 1837–38, (475). v. 15.)

Coals [Gt. Britain]. A return of prices paid by the government for coals at the ports of . . . Portsmouth, Devonport and Falmouth . . . 1837-39 . . . [London, 1840.] Il. F°. (Great Britain. Parl. Papers. Sess. 1840, (221). v. 44.)

Coals, etc. (Navy).—Warlick's patent fuel. A return of the names of contractors for the supply of coal to each of Her Majesty's naval establishments... stating... price of coals supplied... 1840–1844... Price per ton of Grant's fuel in the last three years... [London, 1845.] 60 pp. F°. (Great Britain. Parl. Papers. Sess. 1845. (600). v. 30.)

Return "showing the annual average price (exclusive of city or other dues) of the best coals at the ship's side in port of London, from 1820 to 1880." [London,] 1881. Ip. F°. [Great Britain. Parl. Papers. Sess. 1881, (225). v. 83.)

Renouard (Alfred). La reprisse des affaires dans les charbonnages du nord. La hausse des titres et des prix. (L'Économiste français. 18. année, vol. 1, pp. 35-37. Paris, 1890. F°.)

Williams (C. P.) Manufacture of conglomerate fuel in France, 1891. (U. S. Cons. Rpts. v. 35, pp. 449-462. Washington, 1891. 8°.) With table of cost of coal and pitch, 1873-88.

# COFFEE.

Café (Le), ses variations de prix depuis cinquante ans. L'Économiste français. 22. année, vol. 2, pp. 557-59. Paris, 1894. F°.)

Lowrie (W. L.) Coffee prices in Brazil, 1899. (U. S. Cons. Rpts. v. 62, pp. 361-362. Washington, 1899. 8°.)

Fee (W. T.) The cultivation of coffee in India, 1900. (U. S. Cons. Rpts. v. 63, pp. 23-26. Washington, 1900. 8°.)

With table of prices in London for 1874-98.

#### COTTON.

Cotton goods trade of the world and the share of the U. S. therein. (U. S. Cons. Rpt. no. 12. Washington, 1881. 583 pp. 8°.)

Commerce, manufacture, prices.

**Monaghan** (J. C.) Cotton prices in Europe, 1894. (U. S. Cons. Rpts. v. 47, pp. 439-440. Washington, 1894. 8°.)

With table of lowest and highest prices for middlings in Liverpool, at intervals from 1814 to Nov. 12, 1894.

# Ecuador.

**De Leon** (P. M.) Cotton goods in Ecuador, 1899. (U. S. Con. Rpts. v. 60, pp. 136-140. Washington, 1899. 8°.)
With table giving prices.

Cotton, cont'd.

Egypt.

Grant (L. B.) Cotton in Egypt, 1892. (U. S. Cons. Rpts. v. 40, pp. 112-120. Washington, 1882.

With table of average price for 1821-92.

#### Great Britain.

Report from the secret committee of the House of Lords [Gt. Britain] appointed to inquire into the causes of distress . . . among the commercial classes . . with the minutes of evidence and an appendix, [and] general index . . . [London, 1848.] lv, 480 pp.; 1 p. l., 20 pp. (Great Britain. Parl. Papers. Sess. 1847-48, (565 [1-]2 2). v. 8, pt. 3.) Contraction of the circulation produces fall in the value of commodities. Effect of pressure upon the money market on the prices of cotton. Effect of low prices of cotton upon manufacturing interests. Prices of cotton at Liverpool in 1848 compared with the four previous years

Commercial tariffs and regulations, resources and trade of . . . Europe and America. Part 23. India, Ceylon, and other oriental countries. By

John Macgregor. [London, 1848.] viii, 762 pp. (Great Britain. Parl. Papers. Sess. 1847-48,

([974.]). v. 61.) [1974.]). v. OI.)

Table showing effect of successive improvements on price of cotton cloths, including calico, 1814-1844. Prices of upland, or bowed Georgia cotton, at Liverpool, 1838-1846. Average price of cotton compared with twist, 1802-1832. Prices of cotton yarn, 1786-1793, 1812 and 1830. Average prices of manufactured cotton goods exported in 1836-1845. Prices of provisions in Manchester, 1826-1832. Prices of linen yarn, and of canvas; and of the wages paid at Leeds for weaving, 1813-1833. Wages and earnings in connection with prices.

Shaw (A. D.) The cotton industry of England. [U. S. Cons. Rpt. v. 11, pp. 601-638.)

Wages, prices, production, etc.

Sherman (T. H.) Wool, cotton and iron trade of England, 1889. (U. S. Cons. Rpts. v. 32, pp. 347-360. Washington, 1899. 8°.)

With table showing average, lowest and highest prices of middling Orleans cotton, from 1842/43 to 1888/89.

Campbell (W. S.) Cotton-seed mills in Engiand, 1894. (U. S. Cons. Rpts. v. 46, pp. 176-178. Washington, 1894. 8°.)
With table of prices current at Hull for oil, oil-seed cakes,

linseed, etc., July 6, 1894.

#### India.

Great Britain .- Cotton committee. Report from the Select Committee [Gt. Britain] on the growth of cotton in India; together with the minutes of evidence, appendix and index. [London, 1848.] xviii, 548, 547\*-548\*, 549-615 pp., 3 diagr. F°. (Parl. Papers. Sess. 1847-48, (511) v. 9.)

Irregularity of price in India cotton. Imports of Indian cotton, as connected with the prices of American cotton. Prices of native and East India cotton compared. Prices of cotton in India and at Liverpol 184-27 1866-27. Prices of East India

in India and at Liverpool, 1834-35, 1846-47. Prices of East India (Surat) and other cotton at Liverpool, and export price of cotton at Bombay, 1780-1846. Average price of middling New Orleans, 1831-1847.

Bombay. - Cotton trade committee. Cotton trade (East India). [Report of the Committee, appointed by the government of Bombay, on the Decline of the Cotton Trade; &c. Prices of cotton.] [London, 1847.] 70 pp. F°. (Great Britain. Parl. Papers. Sess. 1847, (712). v. 41.)

# Russia.

**Karel** (J.) Cultivation of cotton in Russia, 1895. (U. S. Cons. Rpts. v. 51, pp. 275-278. Washington, 1895. 8°.)
With table of prices for American and native cotton, 1893-94.

United States.

Annual average currency prices in the New York market of middling cotton, 1847 to 1888. (U. S. Statistical Abstract. Washington, 1889. 4°.) Continued each year thereafter.

Parker (M.) Weekly price of middling cotton
... 1872-1873. Memphis: M. Parker, 1873.
Single sheet. F°.

#### DAIRY PRODUCTS.

Käse- u. Butterpreise auf den Hauptmärkten Europa's vom Nov., 1874, bis Okt., 1875. (Zeitschrift für Schweizerische Statistik. 12. Jahrg., 1876, pp. 135-136. Bern, 1876. F°.)

#### Denmark.

Ryder (H. B.) The Danish butter market, 1890. (U. S. Cons. Rpts. v. 33, pp. 558-560. Washington, 1890. 8°.)

With table of monthly prices during 1889, for first and third class butter.

- Danish butter trade, 1891. (U. S. Cons. Rpts. v. 35, pp. 415-416. 8°. Washington, 1891. o'.)
With tables of prices by month, 1890, and for years 1881-90.

### Great Britain.

**Dickinson** (A. D.) English dairy imports and prices of cereals, 1897. (U. S. Cons. Rpts. v. 53, pp. 577-578. Washington, 1897. 8°.)

With table of average prices for wheat, barley and oats,

– Ireland.

Piatt (J. J.) The dairy industry of the south of Ireland, 1890. (U. S. Cons. Rpts. v. 33, pp. 352-357. Washington, 1800. 8°.)

With table giving price of butter, on Apr. 14, 1890.

#### Switzerland.

Emmenthalerkäse-Preise von 1843 bis 1874. (Zeitschrift für Schweizerische Statistik. 12. Jahrg., 1876, p. 135. Bern, 1876. F°.)

# FLAX.

Great Britain.—Linen trade committee. Report from the Select Committee [Gt. Britain] on the laws which regulate the linen trade of Ireland [with minutes of evidence]. [Prices of flax, linen yarn and linens. Earnings of flax-spinners.] [London, 1822.] 125 pp. F°. (Parl. Papers. Sess. 1822, (560). v. 7.)

- Report from the Select Committee [Gt. Britain] on the linen trade of Ireland [with minutes of evidence]. [Earnings of flax-spinners and weavers in Ireland and Scotland. Price of flax depends upon price of wheat. Prices of linen.] London, 1825. 209 pp. F°. (Parl. Papers. Sess. 1825, (463). v. 5.)

Copies of such parts of the fifth annual report of the Society for the Promotion . . . of the Growth of Flax in Ireland, as relate to . . . the flax crop in ... 1845 ... [Value of well-managed flax.] [1846.] 6 pp. (Great Britain. Parl. Papers. Sess. 1846. ([688]). v. 42.)

Flachspreise in Irland, 1850-54, 1860-64, 1870-74, 1880-84. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 27. Jahrg. Berlin, 1887. St. K. xii. F°.)

Flax, cont'd.

Wood (A. B.) Linen and flax industries of Europe. (U. S. Cons. Rpt. no. 18, pp. 506-513. Washington, 1881. 8°.)

Contains table of prices of flax seed in Ireland from 1867 to 1880.

Williams (C. P.) Flax and its manufacture, 1886. (U. S. Cons. Rpts. v. 19, pp. 437-451. Washington, 1886. 8°.)

With tables of prices of Belgian flax, 1884-85, and of Riga flax, 1860-1886.

**Karel** (J.) The Russian flax trade, 1896. (U.S. Cons. Rpts. v. 51, pp. 279-281. Washington, 1896. 8°.)

With table of prices.

#### FOOD STUFFS.

See also Agricultural products, grain, meat, bread, etc.

#### Europe.

Wheat, etc. Returns of the... average... price of wheat, barley, and oats... 1800 [-May, 1850]. [Prices of wheat in France, 1829-1848; in Belgium, 1828-1848, and in Prussia, 1828-1849. Prices of butcher's meat, as sold in London markets, 1840-April, 1850. Prices of meat paid at St. Thomas's Hospital, 1800-1849.] [London, 1850.] 32 pp., 1 l. F<sup>6</sup>. (Great Brit. Parl. Papers. Sess. 1850, (460). v. 52.)

—— Same [1849-50]. [London, 1851.] 12 pp. F°. (Idem. Sess. 1851, (577). v. 53.)

—— Same [1850-1853]. [London, 1854.] 12 pp. F°. (Idem. Sess. 1854, (468). v. 65.)

Return showing the average retail price per pound avoirdupois of various articles of domestic consumption in some of the principal cities in Europe in 1892. *London*, 1893. 2 ll. F°. (Brit. Parlt. Papers, 1893. v. 89.)

Bowen (H. W.) Food prices in European cities, 1892. (U. S. Cons. Rpts. v. 40, pp. 552-554. Washington, 1892. 8°.)

#### France

Baudrier (Julien). Conventions pour la fourniture de la table du duc de Mayenne. (Rev. du Lyonnais. sér. 5, v. 29, pp. 60-69. Lyon, 1900.)

Prix moyens, par chef-lieu de département, du pain et de la viande en 1898-1900. (Ministère de l'agriculture. Bull. année 18, pp. 632-633; année 19, pp. 604-605; année 20, pp. 718-719. Paris, 1899-1901.)

## Germany.

Berlin Silver Commission, 1894. (Appendix to Report of proceedings. U. S. Finance Committee. 53. Cong. 2. Sess. Senate Misc. Docs. 274, pt. 2.) With tables of average prices of necessaries of life for men and animals in Prussia, 1816-93; wholesale prices of commodities in Germany, 1871-93; and retail prices of beef and pork, 1881-93.

Wirkliche und Mittelpreise der wichtigsten Lebensmittel für Menschen und Thiere in den bedeutendsten Marktorten der preussischen Monarchie während des Kalenderjahres 1900 bezw. des Erntejahres 1869–1900. (Ztsch. d. kön.-preuss. statist. Bureaus. Jahrg. 9–41. Berlin, 1869–1901.) Continued annually.

Neumann (Franz Xaver [Ritter von Spallart]). Die Theuerung der Lebensmittel. (Holtzendorff (F. von) und Oncken (W.) Deutsche Zeit- und Streit-Frag., Jahrg. 3. Heft 38.) Berlin, 1874. 8°.

Cohn (G.) Ueber die Vertheuerung des Lebensunterhaltes in der Gegenwart. Berlin, 1876. 8°. (Holtzendorff (F. v.) und Oncken (W.) Deutsche Zeit- und Streit-Fragen. Jahrgang v., Heft 77.)

**Lincoln** (G. F.) Comparative prices of the principal articles of food, etc. *Washington*, 1885. 8°. (U. S. Cons. Rpts. v. 17, pp. 46-47.)

With table: "Differences of price in the case of provisions and the necessaries of life at different points within the German Empire."

Edwards (W. H.) Prices of food products in Germany, 1891. (U. S. Cons. Rpts. v. 37, pp. 382-384. Washington, 1891. 8°.)

With table of prices of rye in Aug. of each year, 1887 to 1891.

Wirkliche und Mittel-Preise der wichtigsten Lebensmittel für Menschen und Tiere in den bedeutendsten Marktorten der preussischen Monarchie. (Zeitschrift des königlich preussischen statistischen Bureaus. 1896. Beilage I-80. Berlin, 1896. F°.)

Continued yearly thereafter.

Singer (K.) I.ebensmittel-Preise von 1891-98. (Statistisches Jahrbuch. der deutschen Städte. 8. Jahrg., pp. 353-60. *Breslau*, 1900. 8°.)

Ehrenberg (Paul). Die Geldwertsberechnung der Futtermittel. Eine kritische Studie nebst einem Versuch der Geldbewertung der Futtermittel unter Benutzung neuer Gesichtspunkte. *Jena*, 1899. iv, 166 pp., 1 l., 2 tab. 8°.

Murphy (G. H.) Food prices in Germany. 1900. (U. S. Cons. Rpts. v. 63, p. 387. Washington, 1900. 8°.)

With table of average prices for food in Prussia.

# - Baden.

Preise der wichtigsten Lebensbedürfnisse im Jahre 1891. (Stat. Jahrb. f. d. Grossh. Baden, 1801.)

Continued each year thereafter.

# — Bavaria,

Jahres- Durchschnittspreise der Viktualien an verschiedenen Orten Bayerns für die Jahre 1869-1900. (Ztsch. d. kön. bayerisch. statist. Bureau. Jahrg. 1-28, 30, 32. *München*, 1869-1900. 8°.) Continued annually.

**Durchschnitts** Preis-Fall der Viktualien an verschied. Orten Bayerns für den Jahren 1898-date. (Zeitschrift des königlich bayerischen statistischen Bureaus. *München*, 1899-date. F°.)

#### --- Berlin.

**Berlin.** Statistisches Amt. Zusammenstellungen... betreffend die Gross- und Kleinhandelspreise der wichtigsten Nahrungsmittel. Berlin, 1897. 4°.

Imperfect. For full collation see author card in the document catalogue.

## - Halle an der Salle.

Preisentwicklung (Die) der gewöhnlichsten Nahrungsmittel in Halle a./S. von 1871-78. (Jahrbücher für Nationalökonomie und Statistik. v. 34. pp. 83-84. *Jena*, 1879. 8°.)

Food Stuffs, cont d.

- Hesse.

Smith (Jas. Hy.) Mayence. 1887. (U. S. Cons. Rpts. v. 20, pp. 673-688. Washington, 1887. 8°.) With comparative table of prices of food for 1884 and 1885 in Hesse.

—— Prices of food in the Grand Duchy of Hesse. 1886. (U. S. Cons. Rpts. v. 19, pp. 132-133. Washington, 1886. 8°.)

With tables by months from Oct., 1885, to Mch., 1886; and a comparative table for 1884 and 1885.

— Food prices in Hesse. 1892. (U. S. Cons. Rpts. v. 40, pp. 274-276. Washington, 1897. 8°.)

- Munich.

**Harper** (J. W.) Prices of provisions in Munich. 1883. (U. S. Cons. Rpt. v. 9, pp. 552-553. *Washington*, 1883. 8°.)

— Prussia.

Diederich (H. W.) Prices of provisions in Prussia. 1899. (U. S. Cons. Rpts. v. 60, p. 88. Washington, 1899. 8°.)

Strassburg.

**Lebensmittel**-Preise in Strassburg. 1895–99. (Vierteljahrshefte zur Statistik des deutschen Reichs. 1900, 4. H., p. 118. *Berlin*, 1900. F°.)

- Württemberg.

[**Preise** der Lebensmittel,] 1823. (Württemb. Jahrb. 1824.)

Continued each year thereafter until 1872.

### Great Britain.

[Report from the select committee, Gt. Britain, respecting the high price of provisions. Price of beef and mutton.] April, 1764. (H. of C. Journals. v. 29, pp. 1046–1047.)

**Reflections** on the present high price of provisions; and the complaints and disturbances arising therefrom. *London: G. Kearsley*, 1766. I p. l., 50 pp. 8°.

[Hustler (J.)] The occasion of the dearness of provisions, and the distress of the poor: with proposals for remedying the calamity...wherein the policy of the bounty given upon the exportation of corn, the inclosing of commons, and enlarging of farms, are impartially considered. With some remarks on a late pamphlet, intituled, A letter to a member of Parliament, on the present distresses of the poor. By a manufacturer [i. e., John Hustler]. London: W. Owen, 1767. 3-49 pp. 12°.

**Political** speculations; or, An attempt to discover the causes of the dearness of provisions and high price of labour, in England . . . [Pt. 1.] London: J. Almon, 1767. I p. l., v-viii, 5-41 pp. 8°.

Letter (A) to Sir T. C. Bunbury, Bart., one of the members of Parliament for the county of Suffolk, on the poor rates, and the high price of provisions, with some proposals for reducing both. By a Suffolk gentleman. *Ipswich: G. Jermyn*, 1795. 28 pp. 8°.

— to all the people, and all the magistrates, of this Kingdom, concerning the alarming high price of provisions; shewing how to reduce the prices... By a father of a family. London: The author, 1795. 21 pp. 8°.

**Pownall** (T.) Considerations on the scarcity and high prices of bread-corn and bread at the market... in a series of letters, first printed in the Cambridge Chronicle, and supposed to be written by Governor Pownall. *Cambridge: F. Hodson*, 1795. viii, 56 pp. 8°.

Imperfect: pages lacking after p. 56.

[Blane (Sir G.), bart.] Inquiry into the causes and remedies of the late and present scarcity and high price of provisions, in a letter to the Rt. Hon. Earl Spencer... [By Gilbert Blane.] London: J. Wright, 1800. Ip. l., 79 pp. 2. ed. 8°.

—— 2 p. l., 71 pp. 8°.

Edwards (George). Effectual means of providing, according to the exigencies of the evil, against the distress apprehended from the scarcity and high prices of different articles of food. London: J. Johnson, 1800. 43 pp. 8°.

[Symmons (J.)] Thoughts on the present prices of provisions, their causes and remedies; addressed to all ranks of people. By an Independent gentleman [i. e., John Symmons]. London: T. Reynolds, 1800. 2 p. l., 87 pp. 8°.

pp. 79-80 wanting.

**Observations** on the enormous high price of provisions... By a Kentish clergyman. *London:* Clement, 1801. 54 pp. 8°.

Parquot (P. D.) Letters to His Grace the Duke of Portland, and the Earl of Liverpool, etc. On the present high price of provisions. *Manchester: G. Bancks*, 1801. 74 pp. 2. ed. 8°.

Greenwich Hospital [Gt. Britain]. An account of the prices of bread and meat paid at Greenwich Hospital, 1790-92, 1828-1830. [London, 1830.] F\*. 11. (Great Britain. Parl. Papers. Sess. 1830-31, (87). v. 6.)

Great Britain.—Navy Department. Navy estimates. (Explanatory accounts.)... An account, showing the prices at which... provisions and victualling stores have been purchased for... the navy in 1832... also the prices of... provisions... purchased abroad... [London, 1833.] 4 pp. F°. (Parl. Papers. Sess. 1833, (58). v. 24.)

Greenwich Hospital. [Prices of meat and flour at the hospital in 1838 and 1841; contract prices of beef and salt provisions for the navy, 1835–1841.] [London, 1842.] 2 pp. (Great Britain. Parl. Papers. Sess. 1842, (263). v. 40.)

Great Britain.—Poor law unions. An account of the prices of the following articles of consumption at the poor law unions throughout England and Wales in June, 1842, and June, 1843:—flour, seconds, thirds, beef, mutton, milk, coals, oatmeal, soap, candles, etc. [London, 1843.] 34 pp. F°. (Parl. Papers. Sess. 1843, (554). v. 45.)

Sykes (W. H.) Prices of food in India and England compared. (Royal Statistical Society. Journal. v. 10, pp. 289-316. London, 1847. 8°.)

Great Britain.—Poor relief. A return of the number of paupers receiving relief... in England and Wales during half-years ended at Ladyday 1850 and 1851... with the average price of provisions contracted for... [London, 1852.] 30 pp. F°. (Parl. Papers. Sess. 1852, (583). v. 45.)

Food Stuffs, cont'd.

Sales in Liverpool of provisions and breadstuffs. At prices equivalent to cost free on board in the United States . . Liverpool : J. M'Henry & Co., 1856. 1 p. l., 7 ff., 8-13 pp. ob. 24°.

High (The) price of food, butcher-meat, meal, and bread-stuffs, etc., stated and illustrated; with reference to what was expected under free trade as established in 1847. . By a writer to the signet. Edinburgh: The Author [1860]. 36 pp. 8°.

#### Italy.

Italy.-Statistica, Diresione della. Pressi di alcuni generi alimentari sui mercati principali. (Annuario statistico Italiano. Roma, 1881. 8°.) Continued each year thereafter.

– Movimento dei prezzi di alcuni generi alimentari dal 1862-'85... [Diagrams.] Roma, 1886. 4°. (Minist. di agricultura.)

# Tapan.

Van Buren (Thomas). Labor in Japan. (U.S. Consular Reports, no. 2, p. 56. Washington, 1880. 8°.)
Contains tables of prices of food.

#### Malta.

**Grout** (J. H.), *jr*. United States trade with Malta, 1898. (U. S. Cons. Rpts. v. 57, pp. 362-365. *Washington*, 1898. 8°.)

With table of prices of necessary articles.

#### Mexico.

Campbell (R. C.) Agriculture, mines, and factories in Mexico, 1885. (U.S. Cons. rpts. v. 19, pp. 484-494. Washington, 1885. 8°.)

With table showing average prices of provisions in Monterey.

#### Netherlands.

Netherlands .- Statistick, Centrale Commissie voor de. Prijzen van levensmiddelen, 1857-84 [sic]. (Jaarcifers voor het k. der Nederlanden, no. 1. s Gravenhage, 1881. 8°.)

Continued each year thereafter.

# Spain.

Turner (R. W.) Food prices in Cadiz, 1891. (U. S. Cons. Rpts. v. 37, pp. 501-509. Washington, 1891. 8°.)

#### Switzerland.

**Uebersicht** der Lebensmittelpreise und der Preiseaufschläge von 1848/50 bis 1870/72 und der Preise im Jahr 1877. (Zeitschrift für Schweizerische Statistik. 14. Jahrg., 1878, p. 168. Bern, 1878. F°.)

## - Bern.

Mühlemann (C.) Einfluss der wichtigsten Nahrungsmittelpreise auf die Bewegung der Bevölkerung im Kanton Bern während dem 100 jährigen Zeitraum 1782-1881. (Zeitschrift für Schweizerische Statistik. 18. Jahrg., 1882, pp. 59-70.) Bern, 1882. F°.)

# – St. Gall,

Zuppinger (C.) Die Weizen- und Brotpreise in 20. Gemeinden des Kantons St. Gallen im Jahre 1898. (Ztschr. f. schweiz. Statistik. Jahrg. 36, pp. 238-256. Bern, 1900.)

## - Zürich.

Bertschinger (H.) Lebensmittelpreise in

Zürich von 1800 bis 1872. (Zeitschrift für Schweizerische Statistik. 9. Jahrg. 1873, pp. 125-128. Bern, 1873. F°.)

Lebensmittelpreise in Zürich für 1873 und für die früheren Jahre dieses Jahrhunderts. (Jahrbücher für Nationalökonomie und Statistik. v. 22, pp. 68-70. Jena, 1874. 8°.)

#### United States.

Statements relative to the prices of wheat and flour, and provisions, in the United States, and also in British North America . . . [London, 1842.] 15 pp. F°. (Great Britain. Parl. Papers. Sess. 1842, ([362]). v. 40.)

Ford (Worthington C[hauncey]). Dear food. New York: Bradstreet, Pr., 1882. 32-45 pp. 8°. Repr.: International Rev., Jan., 1882.

Food prices. (Maryland, Indus. Stats. and Inform. Bur. 1. bienn. rpt. 1884/85, pp. 187-201.)

Weeks (Jos. D.) Report on the average retail prices of necessaries of life in the U. S. n. t. p. Washington, 1885?] 117 pp. 4°. (U. S. 10 Census. v. 20.)

Wholesale and retail prices of groceries and meats for 1891-95. (New York Labor Stats. Bur. 14. ann. rpt. 1896, pp. 819-865.)

Retail prices [of necessaries of life, 1893 and '94]. (Maine. Indus. and Labor Stats. Bur. 8. ann. rpt. 1894, pp. 75-110.)

- prices of groceries and supplies, 1894. (New Jersey. Labor and Indus. Stats. Bur. 17. ann. rpt. 1894, pp. 137-151.)

- prices [of necessaries of life]. (Maine. Indus. and Labor Stats. Bur. 12. ann. rpt. 1898, p. 19.)
Comparative tables for 1893, '94, '97, '98.

Cincinnati (The) Price Current statistical annual... provision and grain trade statistics... 1901. Cincinnati, 1901. 4°. (Cincinnati Price Current. v. 58, no. 17. Supplement.)

# FRUIT.

United States .- Foreign Commerce Bureau. Dried fruits in Germany. 1899. (Cons. Rpts. v. 62, pp. 69-76. Washington, 1899. 8°.) With tables of prices.

Halstead (M.) Fruit prices in London. 1900. (U. S. Cons. Rpts. v. 64, pp. 397-398. Washington, 1900. 8°.)

Leroy-Beaulieu (P.) Un commencement d'application du collectivisme: la fixation du prix des chose par arrête prefectoral; la gaz à Paris. (L'Économiste français. 11. année, v. 1, pp. 597-599. Paris, 1883. F°.)

Washburn (A. H.) Public works of German municipalities. 1892. (U. S. Cons. Rpts. v. 40, pp. 202-214. Washington, 1892. 8°.)
With table showing price of gas.

Leroy-Beaulieu (Paul.) De l'abaissement du prix du gaz et du prix de l'electricité à Paris. (L'Économiste français. 27. année, vol. I, pp. 737-39. Paris, 1899. F°.)

#### GLOVES.

Roosevelt (G. W.) Glove and glove-leather manufacture in Brussels. 1892. (U. S. Cons. Rpts. . 40, pp. 413-415. Washington, 1892. 8°.) With table showing cost per dosen.

GRAIN.

See also list of works on CORN LAWS in the Index Catalogue of the library.

#### General.

Accounts and papers [Gt. Britain] relating to [prices of] corn and grain... Consuls' returns [during 1826, relative to the prices of foreign corn in 1700-1825]... Resolutions on the corn laws... London [1827]. v. p. F°. (Great Britain. Parl. Papers. Sess. 1826-27, v. 16.)

Wheat. Returns of the highest and lowest annual average price of wheat . . . 1815-1838, in England, Prussia, Posen, and other countries. [London, 1840.] 4 pp. F°. (Great Britain. Parl. Papers. Sess. 1840, (177). v. 44.)

Foreign corn. A return of all accounts... from His Majesty's consuls abroad, relative to the prices of foreign corn, during the years 1822 and 1823. [London, 1824.] 68 pp. F°. Great Britain. Parl. Papers. Sess. 1824, (209). v. 18.)

A return of all accounts . . . received from His Majesty's consuls abroad, relative to the prices of foreign corn during the year 1824 . . . [London, 1825.] 71 pp. F°. (Great Britain. Parl. Papers. Sess. 1825, (42). v. 20.)

A return of all accounts . . . from His Majesty's consuls abroad, relative to the prices of foreign corn, during the year 1825 . . [London, 1826.] 71 pp., 1 l. F°. (Great Britain. Parl. Papers. Sess. 1826, (153). v. 21.)

Accounts and papers [Gt. Britain] relating to [prices of] corn, grain, wheat, etc. Consuls' returns [relative to the prices of foreign corn in 1827]. Resolutions on the corn laws... [London,] 1828. v. p. F°. (Great Britain. Parl. Papers. Sess. 1828. v. 18.)

— Consuls' returns . . . Accounts . . . from His Majesty's consuls abroad relative to the prices of foreign corn during the year 1828. [London, 1829.] 101 pp. 1 l. F°. (Great Britain. Parl. Papers. Sess. 1829, (139). v. 17.)

— Consuls' returns... Accounts... from His Majesty's consuls abroad, relative to the prices of foreign corn during the year 1829. [London, 1830.] 100 pp. F°. (Great Britain. Parl. Papers. Sess. 1830, (275). v. 22.)

—— Consuls' returns... Reports relative to the price of corn in foreign countries [during the year 1830]... made by His Majesty's consuls abroad... [London, 1831.] 104 pp. F°. (Great Britain. Parl. Papers. Sess. 1831, (72). v. 17.)

—— Consuls' returns... Relative to the price of corn [1831-1832], in foreign countries... made by His Majesty's consuls abroad... [London, 1834.] 130 pp. F°. (Great Britain. Parl. Papers. Sess. 1834. (18). v. 49.)

—— (Consuls' returns.) Returns... from Her Majesty's consuls abroad, relative to the prices of foreign corn [in America], 1834–1840... [London, 1841,] 62 pp. F°. (Great Britain. Parl. Papers. Sess. 1841, (378). v. 26.)

Accounts and papers [Great Britain]. Trade; corn; etc. [Returns from Her Majesty's consuls abroad relative to prices of foreign corn and grain, 1834-1840. Correspondence relative to price at which foreign grain could be imported into Eng-

land.] [London, 1841.] I v. F°. (Great Britain. Parl. Papers. 1841, sess. 2. v. 7.)

Return "of the price of wheat per English quarter in France, Belgium and Prussia in 1835, 1845, 1855 and 1885, and the import dnties." [London, 1887.] 4 pp. F°. (Great Britain. Parl. Papers. Sess. 1887, (247). v. 66.)

Foreign corn. (Consuls' returns.) . . . Returns . . . from Her Majesty's consuls abroad, relative to the prices of foreign corn, for the year 1841. [London, 1842.] 110 pp. F°. (Great Britain. Parl. Papers. Sess. 1842, (562). v. 46.)

Abstracts of information relative to corn and other agricultural produce, received from Her Majesty's ministers and consuls on the continent of Europe, during the latter months of . . . 1841, and January, 1842. [Prices of corn and grain. Corn law in Holland.] [London, 1842.] 30 pp., I l. F°. (Great Britain. Parl. Papers. Sess. 1842, ([359]). v. 40.)

Foreign corn. (Consuls' returns.) . . . Returns of accounts . . . from Her Majesty's consuls abroad, relative to the prices of foreign corn, for the year 1842; also . . . the average price in each place . . . 1807-1842 . . . [London, 1843.] 120 pp. F°. (Great Britain. Parl. Papers. Sess. 1843, (397). v. 53.)

Rawson (R. W.) Prices of grain in Prussia and England. (Royal Statistical Society. Journal. v. 5, pp. 32-46. *London*, 1842. 8°.)

Wheat. A "return of the prices of wheat...
1844-1849... at Riga, Odessa, Koenigsberg, Dantzig, Hamburg, Antwerp, Havre, Nantes, Marseilles, Alicante, Leghorn, Trieste, New York, Philadelphia, New Orleans, and Montreal." [London, 1850.] 14 pp., 1 l. F°. (Great Britain. Parl. Papers. Sess. 1850, (206). v. 52.)

**Kremp** (J. H.) Über den Einfluss des Ernteausfalls auf die Getreidepreise während der Jahre 1846–1875 in den hauptsächlichsten Ländern Europas. *Jena: G. Fischer*, 1879. iv, 1 l., 162 pp., 2 pl. 8°. (Staatswiss. Seminar Halle a. S. Samml. nationalökonom. und statistis. Abhandl. v. 2, n. 2.)

Roscher (W.) Du commerce des grains et des mesures à prendre en cas de cherté. Traduit de l'allemand avec l'autorisation de l'auteur et annoté, par M. Block. Paris: Guillaumin et Compie, 1854. 2 p. l., 200 pp. 8°.

**Theories** as to the price of wheat. (The Economist. v. 12, pp. 1229-30. *London*, 1854. F°.)

Jevons (William Stanley). The solar period and the price of corn. (In his Investigations in currency and finance. pp. 194-205. *London*, 1884. 8°.)

Read at meeting of the British Association at Bristol, 1875. Section F.

Földes (Bela). Die Getreidepreise in den Jahren 1881-85. (Statistische Monatschrift. v. 13, pp. 379-385. *Wien*, 1887. 8°.)

Hansen (Johannes). Untersuchungen über den Preis des Getreides mit besonderer Rücksicht auf den Nährstoffgehalt desselben. (Staatswissenschaftliche Studien. Bd. 1, Heft 2. Jena, 1887. 8°.)

Metsler (Gustav Karl). Statistische Untersuchungen über den Einfluss der Getreidepreise auf die Grain, cont'd.

Brotpreise und dieser auf die Löhne. (Staatswissenschaftliche Studien. Bd. 1, Heft 5. Jena, 1887.

Ruhland (G.) Die Agrarfrage und das internationale Grosskapital. Wien: Mayer & Co., 1895. 23 pp., I chart. 8°. (Oesterreichische Leo-Gesellschaft. Vorträge und Abhandlungen. no. 1.)

Zur Statistik der Preise. Grosshandels-Preise von Weizen, Roggen, Gerste, Hafer, an deutschen und fremden Börsen-Plätzen für die 5 Jahre 1895 bis 1899. (Vierteljahrshefte z. Statistik d. deutschen Reichs. Jahrg. 9, Heft 3, pp. 16-23. Berlin, 1900.)

Grosshandels-Preise von Roggen und Weizen an deutschen und fremden Börsen-Plätzen. (Vierteljahrsheste zur Statistik des Deutschen Reichs. Jahrg. 1898, Heft 4, p. 111. Berlin, 1898.

Du Bois (J. T.) Rise in price of wheat in Europe. 1898. (U.S. Cons. Rpts. v. 57, pp. 552-553. Washington, 1898. 8°.)

Preise von Weizen in Berlin, Chicago, New York, Liverpool und Paris, an den einzelnen Börsentagen der Jahre 1899 und 1900. (Vierteljahrshefte zur Statistik des Deutschen Reichs. Jahrg. 10, 1901. Heft 1, pp. 54-57. Berlin, 1901.)

**Hooker** (R. H.) The suspension of the Berlin Produce Exchange and its effect upon corn prices. (Jour. Roy. Statist. Soc. v. 64, pp. 574-604. London, 1901.)

Austria-Hungary.

Perioden-besw. Jahresdurchschnittspreise der 4 Hauptgetreidearten in Oesterreich und Ungarn während 1801 bis 1870. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 27. Jahrg. 1887, p. 125. Berlin, 1887. F°.)

Jahresdurchschnittspreise der 4 Hauptgetreidearten in Oesterreich und Ungarn während 1871 bis 1885. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 27. Jahrg. 1887. p. 125. Berlin, 1887. F°.)

Belgium.

Marktpreise von Getreide und Kartoffeln in Belgien in den Jahren 1898 bis 1900. (Vierteljahrshefte zur Statist. d. deut. Reichs. Jahrg. 10 (1901), Heft 3, pp. 35-36. Berlin, 1901.)

# Canada.

Wheat and flour. A return of the prices of wheat and flour. A return of the prices of wheat and flour at the . . . British ports in North America . . [1836-1842]. [London, 1843.] Il. F°. (Great Britain. Parl. Papers. Sess. 1843, (231). v. 53.)

# Denmark.

Barley and oats. A statement showing the average prices of barley, at the Copenhagen market, 1838-1841; a similar return from the port of Stettin, for the same period, as to oats. [London, 1842.] F. (Great Britain. Parl. Papers. Sess. 1842, (129). v. 40.)

Perioden-Bezw. Jahresdurchschnittspreise der 4 Hauptgetreidearten in Dänemark während 1854 bis 1885. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 27. Jahrg. 1887. p. 124. Berlin, 1887. F°.)

France.

Dupuy (L.) Table du prix du setier de blé, mesure de Paris, 1327-1581. (In Paris Inst. Acad. Inscr. Hist. et Mem., Vol 28, 1761; and in Leber, C. Col. d. diss., v. 7. 1838.)

Grassoreille (G.) Prix du blé à Paris du XIVe au XVIIIe siècle d'après les registres du chapitre de Notre-Dame. (Société de l'histoire de Paris et de l'Ile-de-France. Bulletin. 7. année, 1. livraison, Janvier, pp. 107-117. Paris, 1880.

Humblot (J. C.) Les mercuriales de Langres du XVe au XIXe siècle. (Rev. de Champagne et de Brie. (v. 22,) Sér. 2, v. 9, pp. 641-664. Arcissur-Aube, 1898. 8°.)

**Duffaud** (P.) Note sur le prix des grains à Poitiers depuis trois siècles. (In Paris. Inst. Acad. Sci. Mém. div. sav. v. 17. 1862.) Chart.

Pannier (L. A. E.) Prix des grains sur le marché d'Abbeville depuis l'année 1590. (In: Abbeville. Soc. d'Em. Mem., 1861-66. 2. pt.)

Prix (Le) du blé depuis 1650 jusqu'à 1870. (L'Économiste français. 22. année, v. I, p. II. Paris, 1894. F°.)

Messance or Messange. - pseud. cherches sur la population d'Auvergne, de Lyon [etc.], avec des reflexions sur la valeur du bled . . . 1674-1764. Paris, 1766. 4°.
Attributed to l'Abbé Audra and M. de La Michaudière.

Dupré de St.-Maur (N. F.) Recherches sur la Valeur des Monnoies, et sur le Prix des Grains, avant et après le Concile de Francfort. 12°. Paris,

Block (C.) Le commerce des grains dans la généralité d'Orléans (1768), d'après la correspondance inédite de l'intendant Cypierre. Orléans: H. Herluison, 1898. 1 p. l., 169 pp., 1 tab. 4°.

Creusé-Latouche (J. A.) Rapport des députés de la Convention Nationale réunis, pour présenter leurs idées en faveur de la liberté entière du commerce des grains. Paris: Imp. nat., 1792. 48 pp. 8°

Prices of wheat, 1756-1790.

Memoire sur la fixation du maximum du price des grains dans toute la France, remis au comité d'agriculture de la Convention National l'An premier de la Republique. Paris: Imp. des Frères Chaionieau [1793]. 15 pp. 8°.

Archives statistiques du ministère des Travaux publics de l'Agriculture et du Commerce, publié par le ministre secretaire d'État de ce département en 1837. Paris, 1837. x, 306 pp. 4°. Gives prices of cereals from 1756 to 1835.

Leroy-Beaulieu (Paul). Une contradiction economique: la baisse du prix du blé et la hausse du prix du pain. (L'Économiste française. 11. année, vol. 1, pp. 189-191, 221-223. Paris, 1883. F°.)

Muller (Paul). Les droits de douane et le prix des céréales. (L'Économiste français. 11. année, vol. 1, pp. 290-291. Paris, 1883. F°.)

Walker (G.) General statistics of France. 186. (U. S. Cons. Rpts. v. 19, pp. 41-45. 1886. (U. Š. Washington, 1886. 8°.) With table of average yearly market prices for wheat in France, from 1871 to 1884.

Michel (Georges). La crise agricole et le prix du blé. (L'Économiste français. 21. année, vol. 2, pp. 423-25. Paris, 1893. F°.)

Grain, France, cont'd.

— La baisse du blé, les moyens proposés pour y remédier. (L'Économiste français. 27. année, vol. 2, pp. 788-90. *Paris*, 1899. F°.)

**Prix** payés en 1899 par l'administration de l'assistance publique pour les denrées consommées dans ses établissement. (Bull. de l'office du travail. Année 7, pp. 750-751. *Paris*, 1900.)

#### Germany.

**Uebersicht** der Durchschnittspreise der Haupt-Getreide-Arten vom 1. Nov. bis 31. Dec. der 50 Jahre 1808 bis 1857 an den bei Festellung der Ablösungs-Normalpreise in Betracht kommenden Marktorten des Königs. Hannover und der Nachbarstaaten. (Statistik des Konigreichs Hannover. Hft. 7, 19-51.)

Maispreise zu Magdeburg, Hannover, ü. Frankfort a. M. in den einzelnen Monaten des Jahres 1881. (Zeitschrift des königl. Preussischen Statischischen Bureaus. 23. Jahrg. 1883, p. 125. Berlin, 1883. F°.)

**Preise** der Hülsenfrüchte im Jahre 1881, zu Kassel, Nordhausen und Hannover. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 23. Jahrg. 1883, p. 124. *Berlin*, 1883. F°.)

Schnider (A.) Statistische Untersuchungen über den Zusammenhang der Preise von Roggen, Roggenmehl im Gross- ü. Kleinhandel ü. Roggenbrot in 4 deutschen Städten während 1881-1889. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 31. Jahrg., pp. 179-195. Berlin, 1891. F°.)

F.)

Kremp (J. H.) Ernten und Fruchtpreise in Preussen, Bayern, Würtemberg und Baden. (Jahrbücher für Nationalökonomie und Statistik. 2. F., 9. Bd., pp. 341-378. Jena, 1884. 8°.)

Francke (L.) Deutschlands Getreidehandel und Getriedepreise. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 27. Jahrg. 1887, pp. 113-138. Berlin, 1887. F°.)

Monaghan (J. C.) Prices of breadstuffs in Germany, during 1888–1889. (U. S. Cons. Rpts. v. 32, pp. 294–296. Washington, 1889. 8°.)

Köttgen (August). Studien über Getreideverkehr und Getreidepreise in Deutschland. (Staatswissenschaftliche Studien. 3. Bd., 4. Heft. Jena, 1800. 8°.)

Raffalovich (Arthur). La hausse du seigle en Allemagne. (L'Économist française. 18. année, vol. 1, pp. 426-28. *Paris*, 1890. F°.)

Le renchérissement du seigle en Allemagne. (L'Économiste français. 19. année, vol. 2, pp. 75-77. Paris, 1891. F°.)

Smith (J. H.) The grain question in Germany. 1891. (U. S. Cons. Rpts. v. 35, pp. 635-646. Washington, 1891. 8°.)
With tables of relative prices of wheat and rye, 1879-1890.

Conrad (J.) Die Monatspreise des Getreides. (Jahrbücher für Nationalökonomie und Statistik. 3. F., 9. Bd., pp. 247-72. Jena, 1895. 8°.

Stumpfe (Emil). Der kleine Grundbesitz und die Getreidepreise. [4]+130 p. (Staats- ü. socialwiss. Beitr. v. 3, no. 2. Leipzig, 1897.)

Lippert (Gustav). Getreidepreise und Getreidezölle. Plate. (Ztsch. f. Volkswirt. Socialpol. u. Verwaltung. v. 8, pp. 276-314. Wien, 1899.)

Weisen- und Roggen-Preise auf deutschen Fruchtmärkten, Oktober 1898 bis Januar 1900. 3 pl. (Vierteljahrshefte zur Statistik d. deutschen Reichs. Jahrg. 9, 1900, Heft 1, pp. 207-208. Berlin, 1900.)

— Altenburg.

Bavaria.

**Kornpreise** (Die) in der Stadt Altenburg von 1746 bis 1863. (Jahrbücher für Nationalökonomie und Statistik. v. 3, pp. 412–15. *Jena*, 1864. 8°.)

Jahresdurchschnittspreise für die 4 Hauptgetreidearten im Königreiche Bayern diesseits des Rheines während 1815 bis 1855. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 26. Jahrg. 1886, p. 228. Berlin, 1886. F°.)

Nachweisungen über den Verkauf von Getriede auf den bayerischen Schrannen sowie über die erzielten Durchschnittspreise für das Kalender Jahr. 1869–1900. (Ztsch. d. kön. bayerisch. statist. Bureau. Jahrg. 1–28, 30, 32. Published annually. München, 1869–1900.)

Monatliche Durchschnittspreise für die 4 Hauptgetreidearten im ganzen Königreiche Bayern während 1879 bis 1885. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 26. Jahrg. 1886, p. 229. Berlin, 1886. F°.)

Nachweisungen über d. Verkauf von Getreide auf d. bayerischen Schrannen, sowie über d. erzielten Durchschnitts-Preise für 1897. (Zeitschrift des koeniglich bayerischen statistischen Bureaus. 1898, pp. 89–94. München, 1898. F°.)

---- Berlin.

Jahresdurchschnittspreise für die 4 Hauptgetreidearten in Berlin während 1624 bis 1810. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 26. Jahrg. 1886, pp. 225–226. Berlin, 1886. F°.)

**Höchsten** (Die) und die niedrigsten Preise für Weizen und Roggen an der Berliner Börse während 1857 bis 1885. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 26. Jahrg. 1886, p. 226. Berlin, 1886. F°.)

—— Breslau.

Martinipreise für die 4 Hauptgetreidearten in Breslau während 1775 bis 1815. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 26. Jahrg. 1886, p. 226. Berlin, 1886. F°.)

**Brotfrucht-Preise** in Dresden 1852-95. (Zeitschrift des kgl. Preussisch. Statistischen Bureaus. Stat. Corresp. XXIX. *Berlin*, 1897. F°.)

– Dresden.

# ---- Hamburg.

Jahresdurchschnittspreise der 4 Hauptgetreidearten in Hamburg während 1851 bis 1886. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 27. Jahrg. 1887, p. 125. Berlin, 1887. F°.)

- Hanover.

Hanover.—Statistisches Bureau. Uebersicht der Durchschnittspreise der Hauptgetreidearten an den bei Feststellung der Ablösungs-Normalpreise in Betracht kommenden Marktorten des königreichs Hannover und der Nachbarstaaten. Nov., 1808/57-Dec., 1858/65. [Hannover, 1858-66.] F°. (Beiträge zur Statistik des vormaligen Königr. Hannover. Heft 62, 122.)

Grain, cont'd.

- Moringen.

**Scheibe** (K.) Alte Moringer Markt-Kornpreis. (Hannoversche Geschichtsblätter. 1899. No. 33. *Hannover*, 1899. 8°.)

#### — Munich.

Jahresdurchschnittspreise für die 4 Hauptgetreidearten auf der Schranne in München während 1637 bis 1855. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 1886, p. 228. Berlin, 1886. F°.)

# --- Halle a./S.

Martinipreise für die 4 Hauptgetreidearten in Halle a /S. während 1600 bis 1749. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 26. Jahrg. 1886, p. 225. Berlin, 1882. F°.)

#### — Palatinate.

Jahresdurchschnittspreise für die 4 Hauptgetreidearten im Regierungsbezirke der Pfalz während 1818 bis 1855. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 26. Jahrg. 1886, p. 229. *Berlin*, 1886. F°.)

#### — Prussia.

Conrad (J.) Die Getreidepreise im preussischen Staate von 1765-88. (Jahrbücher für Nationalökonomie und statistik. 2. F., 15. Bd., pp. 313-22. *Jena*, 1887. 8°.)

Engel (E.) Die Getreidepreise, die Ernteerträge ü. der Getreidehandel im preuss. Staate, ca. 1816-1860. (Zeitschrift des königl. Preussischen Statistischen Bureaus. I. Jahrg. 1861, pp. 249-289. Berlin, 1861. F°.)

Jahresdurchschnittspreise für die 4 Hauptgetreidearten im preuss. Staate während 1816 bis 1881. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 26. Jahrg. 1886, p. 226. Berlin, 1886. F°.)

**Prices** of corn in Prussia. (Royal Statistical Society. Journal. v. I, pp. 493-505. *London*, 1839.

**Bewegung** der Getreidepreise in Preussen, 1866–1876. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 17. Jahrg. 1877, p. 194. *Berlin*, 1877. F°.)

**Bewegung** (Die) der Getreidepreise u. s. w. in den sogenannten Erntejahren [1872/73-79/80]. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 20. Jahrg. 1880. St. K. xli-xlii. *Berlin*, 1880. F°.)

Monatliche Durchschnittspreise für die 4 Hauptgetreidearten im preussischen Staaten während 1879 bis 1885. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 26. Jahrg. 1886, p. 227. Berlin, 1886. F°.)

Verlauf der Monats-Durchsnittspreise, 1879-80. Beziehungen zwischen Erntemengen und Preisen, 1878-80. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 20. Jahrg. 1880. Berlin, 1880. F°.)

# - Württemberg.

**Durchschnittspreise** (Die) von Getreide (Kernen, Gerste, Hafer, Dinkel, Weizen, Roggen) in Württemberg 1766–1895. (Württembergische Jahrbücher, 1896. II, 117–122. *Stuttgart*, 1896. 4°.)

**Preise** (Ueber die) der Früchte auf den bedeutenderen Kornmärkten des Landes in den Jahren 1839 bis 1844. (Württembergische Jahrbücher, 1845, pp. 189-205. *Stuttgart*, 1845. F°.)

Landesdurchschnittspreise von Kernen, Roggen, Gerste ü. Hafter in den Wintermonaten vom I. Nov. bis I. Feb., 1863/64-77/78 [in Württemberg]. (Württembergische Jahrbücher, 1878. Hft. I, p. 190. Stuttgart, 1878. 8°.)

#### Great Britain.

Rogers (J. E. T.) Prices of wheat, 1380-1484. (Royal Statistical Society. Journal. v. 27, pp. 70-81. London, 1860. 8°.)

Lloyd (W. F.) Prices of corn in Oxford in the beginning of the 14. century, also from 1583 to the present time... collected from MSS. at Oxford... Oxford: University press, 1830. viii, 100 pp. 8°.

Corn, etc. Returns... [Average price of wheat at Eton and Oxford, 1646-1770. Average price of grain in England and Wales, 1771-1841. Decennial fluctuations in the prices of wheat, 1646-1841. Fiar prices of wheat in Scotland, 1828-1841. Average prices of wheat in Dublin, for same years; and in Guernsey and Jersey, 1820-1841.] [London, 1842.] 3 v. F°. (Great Britain. Parl. Papers. Sess. 1842 (181-3). v. 40.)

— Same [to the year 1842, except fiar prices, and prices at Eton and Oxford, which remain the same]. [London, 1843.] 74 pp. F°. (Idem, 1843, (177). v. 53.)

Great Britain.—Corn trade committee. [Report from the select committee, Great Britain, respecting the state of the corn trade. The practices of jobbers and factors. Table of prices from 1661 to 1765.] April, 1766. (H. of C. Journals. v. 30, pp. 762-771.)

Sheffield (1. baron), John [Baker Holroyd]. Remarks on the deficiency of grain, occasioned by the bad harvest of 1799; on the means of present relief, and of future plenty. With an appendix, containing accounts of all corn imported and exported, with the prices from 1697 to the 10. October, 1800... London: J. Debrett, 1800. I pl., 120 pp., I l., 2 tab. 8°.

**Malt** duty. Accounts of the...quantity of malt charged in England and Wales... [and] of barley...imported... with the average prices of barley; for twelve years ending with 1747, 1816 and 1847. [London, 1848.] 4 pp. F°. (Great Britain. Parl. Papers. Sess. 1847-48 (672). v. 58.)

Accounts relating to corn, etc. [Average prices of wheat in Great Britain, 1748-1752, 1770-1825. Average price of barley in England, 1800-1816.] [London, 1830.] 16 pp. F°. (Great Britain. Parl. Papers. Sess. 1830 (84). v. 22.)

Weisenpreise in England seit 125 Jahren, 1761-1885. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 26. Jahrg. 1886. St. K. xxxi. Berlin, 1886. F°.)

Jahresdurchschnittspreise des Weizens in England während 1761 bis 1886. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 27. Jahrg. 1887, p. 124. Berlin, 1887. F°.)

Wheat [Great Britain]. A return of the average prices of wheat in . . . June and July . . . as

Grain, Great Britain, cont'd.

compared with those in . . . August and September . . . 1774-1793. [London, 1843.] Il. F°. (Great Britain. Parl. Papers. Sess. 1843 (234). v. 53.)

Steuart (James). A dissertation on the policy of grain, with a view to a plan for preventing scarcity, or exorbitant prices in the common markets of England. London: W. Strahan & T. Cadell, 1783. iv, 42 pp. 8°.

Wheat, corn, etc. Returns... [Prices of wheat in Great Britain, 1790–1840.] [London, 1841.] 12 pp. F°. (Great Britain. Parl. Papers. Sess. 1841, (383). v. 26.)

Grain [Great Britain]. An account of the average price of all sorts of grain . . . Jan. 5, 1791-Jan. 5, 1821. [London, 1821.] 1 l. F°. (Great Britain. Parl. Papers. Sess. 1821, (201). v. 17.)

Grain, flour, and meal. Return "of the quantities of ... wheat, barley, and oats ... imported into the United Kingdom ... 1792-1848 ... with the annual average price ... [London, 1849.] to pp. F°. (Great Britain. Parl. Papers. Sess. 1849, (443). v. 50.)

Thoughts on the most safe and effectual mode of relieving the poor, during the present scarcity. London: T. N. Longman, 1795. 1 p.l., 15 pp. 8°.

**Young** (Arthur). The question of scarcity plainly stated, and remedies considered. With observations on permanent measures to keep wheat at a more regular price. *London: R. McMillan*, 1800. I. p. l., 100 pp. 8°.

Brand (john). A determination of the average depression of the price of wheat in war, below that of the preceding peace; and of its readvance in the following; according to its yearly rates from the Revolution to the end of the last peace: with remarks on their greater variations in that intire period. London: F. & C. Rivington, 1800. Ip. l., 102 pp. 8°.

Anderson (James). A calm investigation of the circumstances that have led to the present scarcity of grain in Britain: suggesting the means of alleviating that evil, and of preventing the recurrence of such a calamity in future. (Written Dec., 1800.) London: J. Cumming, 1801. 2 p. l., 94 pp., 1 tab. 8°.

Account (An) of the quantities and price of wheat from each city and town in the twelve maritime districts of England and Wales . . . Nov. 5, 1814-Feb. 18, 1815 . . Ordered . . to be printed, 6 March, 1815; and to be re-printed, 2 June, 1820. [London, 1820.] 25 pp. F°. (Great Britain. Parl. Papers. Sess. 1820, (117.) v. 12.)

Malthus (T. R.) Observations on the effects of the corn laws, and of a rise or fall in the price of corn, on the agriculture and general wealth of the country. *London*, 1814. 8°.

--- [Same.] 3d ed. London, 1815. 8°.

Account (An) of the weekly average prices [in England] of barley, oats, rye, and wheat; Jan. 4, 1813-Feb. 24, 1816. . . [London, 1816.] I l. F°. (Great Britain. Parl. Papers. Sess. 1816, (271.) v. 14.)

--- of the average price of wheat, barley, and oats, in England and Wales; and also in the twelve

maritime districts... Jan. 5, 1815-Jan 5, 1818. [London, 1818.] I l. F°. (Great Britain. Parl. Papers. Sess. 1818, (58.) v. 14.)

Grain. An account of the average price of each sort of grain in Great Britain... Jan. 5, 1815-Jan. 5, 1825. [London, 1825.] I l. F°. (Great Britain. Parl. Papers. Sess. 1825, (75.) v. 20.)

**Public** debt [Gt. Britain]; prices of the funds, and of wheat . . . A return of the annual average money price of a quarter of wheat . . . 1815–1834. [London, 1834.] 4 pp. F°. (Great Britain. Parl. Papers. Sess. 1834, (165.) v. 41.)

Statistical tables of corn prices for 1888, with comparative tables for previous years [1815-1888, etc.]. [London, 1889.] 24 pp. F°. (Great Britain. Parl. Papers. Sess. 1889, (5.) v. 60.)

Wheat [Gt. Britain]. An account of the total quantity and cost of wheat purchased by... [Victualling] Department... from 1816 to 1831... and... average price of wheat in each year... [London, 1832.] Il. F°. (Great Britain. Parl. Papers. Sess. 1831-32, (219.) v. 34.)

Account (An) of the average prices of wheat, barley, oats, and beans, in the twelve maritime districts of England and Wales... for the two last years ended 15th November, 1818... [London, 1819.] I. F. (Great Britain. Parl. Papers. Sess. 1819, (37.) v. 16.)

Corn [Gt. Britain]. A compare of the average price of corn, for the first week in every month in the years 1819 and 1820. [London, 1821.] il. F°. (Great Britain. Parl. Papers. Sess. 1821, (372.) v. 17.)

Average price of corn [in Gt. Britain], for the first week in every month in the years 1819 and 1820. [London, 1821.] Il. F°. (Great Britain. Parl. Papers. Sess. 1821, (502.) v. 17.)

Corn averages. An account of the average prices of corn per quarter, in England and Wales, for ten years, ending December, 1829... [London, 1830.] Il. F°. (Great Britain. Parl. Papers. Sess. 1830, (154.) v. 22.)

— [Gt. Britain]. A return of the average prices of corn for the last six years. [London, 1826.] I. F. (Great Britain. Parl. Papers. Sess. 1826, (137.) v. 21.)

averages. An account of the average prices of corn per quarter, in England and Wales, for ten years...calculated by the imperial measure. [London, 1830.] Il. F°. (Great Britain. Parl. Papers. Sess. 1830, (167.) v. 22.)

Great Britain.—Agriculture Committee. Report from the select committee [Gt. Britain] to whom the petitions complaining of the depressed state of the agriculture of the United Kingdom, were referred. [With minutes of evidence.] [Depression of prices of produce. Effects on the prices of the abundance of the harvests, extension of tillage, and importation. Fluctuations in the price of corn. Foreign trade in corn. The present corn laws. Warehousing foreign corn.] [London, 1821.] 479 pp. F°. (Great Britain. Parl. Papers. Sess. 1821, (668.) v. 9.)

Corn [Ireland]. A return of the average prices of corn per barrel, for the first week in every month

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in the year 1821, and up to the 5th July, 1822. [London, 1822.] I l. F°. (Great Britain. Parl. Papers. Sess. 1822, (627.) v. 18.)

Grain. An account of the average price of all sorts of grain in England and Wales, Jan. 5, 1821–Jan. 5, 1823... Weekly average price... Jan. 5, 1823-May 4, 1823... [London, 1823.] I l. F°. (Great Britain. Parl. Papers. Sess. 1823, (424.) v. 13.)

Great Britain.—Agriculture committee. Report from the select committee [Gt. Britain] appointed to inquire into the ... petitions ... complaining of the distressed state of the agriculture of the United Kingdom. [Objectionable suggestions to lay out £1,000,000 by government purchasing corn for store: this recommended. Foreign warehoused corn. Restrictive laws on importation to be continued. To be modified by lowering the impost price, and imposing a duty.] [London, 1822.] 8 pp. F°. (Great Britain. Parl. Papers. Sess. 1822, (165.) v. 5.)

Grain [Gt. Britain.] An account of the average price of all sorts of grain in each quarter. Jan. 5, 1823—Jan. 5, 1826. [London, 1826.] Il. F°. (Great Britain. Parl. Papers. Sess. 1826, (50.) v. 21.)

Great Britain. — Corn inspector. Foreign corn... Instructions given to William Jacob... Inspector General of Corn Returns [Gt. Britain], directing an inquiry into the price of corn, and the expense of producing the same, in certain parts of... Europe; and... report... from Mr. Jacob... [dated 21st February, 1826]. [Prices of wheat and rye. Prices of live stock. Labourers' wages. Probability of increased production if the English corn laws were repealed. Appendix containing tables of accounts.] [London, 1826.] 168 pp. F°. (Great Britain. Parl. Papers. Sess. 1826, (159.)

— Foreign corn. Second report on the agriculture and corn of some of the . . . states of Europe; with observations collected in a journey . . in the autumn of 1827; by William Jacob. [Appendix of accounts.] [London, 1828.] 2 p. l., 199 pp. F°. (Idem. Sess. 1828, (258.) v. 18.)

Grain. An account of the grain... imported into Great Britain from foreign ports... from 5th January, 1827... with the average price of each sort of grain in Great Britain, in each year. [London, 1832.] 6 pp., I l. F°. (Great Britain. Parl. Papers. Sess. 1831-32, (89.) v. 34.)

Great Britain.—Grain committee. Report from the select committee of the House of Lords [Gt. Britain] appointed to inquire into the price at which foreign grain may be shipped in foreign ports . . . and the price at which such grain can be imported into this country . . [also prices of British corn] with the minutes of evidence . . . [and appendix of tables]. [London, 1827.] 216 pp. F°. (Parl. Papers. Sess. 1826-27, (333.) v. 6.)

— Statutes. A bill to make provision for ascertaining from time to time the average price of British corn. [London, 1827.] 18 pp. F°. (7-8 Geo. IV.) Parl. Papers. Sess. 1826-27, (382.) v. 2.)

Corn. An account of the quantities and average prices of wheat returned each week . . . 1828–1830, by the Corn Inspectors in London, Liverpool and Manchester; also . . . average prices returned each week by the whole kingdom . . [London, 1831.] 18 pp. F°. (Great Britain. Parl. Papers. Sess. 1830–31, (119.) v. 10.)

Wheat, etc., imported [Gt. Britain]. An account showing the quantities of wheat, wheat flour, barley and oats imported, and,... entered for home consumption and exportation... [July, 1828—July, 1834. Average prices.] [London, 1834.] 32 pp. F°. (Great Britain. Parl. Papers. Sess. 1834, (562.) v. 49.)

Corn. An account of the average prices of British wheat, barley and oats, in England and Wales, for the seven years preceding 31st December, 1835... [London, 1836.] Il. F°. (Great Britain. Parl. Papers. Sess. 1836, (224.) v. 45.)

Wheat, etc. [Gt. Britain.] A return, showing the price of wheat, barley, oats and rye, per quarter. during the average of the whole period from the passing of the act 9 Geo. iv., c. 60, (15th July, 1828) to the passing of the act 5 Vict., c. 14, (29th April, 1842), by which it was repealed. [London, 1842.] Il. (Great Britain. Parl. Papers. Sess. 1842, (511.) v. 40.)

Corn. An account of the average price of corn, per quarter, in England and Wales, for the year ending December, 1830. [London, 1831.] 1 l. F°. (Great Britain. Parl. Papers. Sess. 1831, (125.) v. 17.)

Great Britain.—Agriculture committee. Report from the select committee on agriculture with the minutes of evidence... appendix and index. [London, 1833.] xii, 707 pp. F°. (Great Britain. Parl. Papers. Sess. 1833, (612.) v. 5.)

Parl. Papers. Sess. 1833, (012.) V. 5.)

Bread-corn insurance against famine. Legislation cannot meddle with rent and wages. Evils of paying wages out of the poor rates. Prices of corn. Corn laws: their effect upon steadiness of price. Average price of British grain, 1815–1832. Prices of food, clothing and household stores bought for Greenwich Hospital, and rate of wages to the artizans; with prices of provisions at Bethlem Hospital; and of bread and meat, bought by Commissariat Department, during same years. Prices of Irish salted beef and pork, 1813–1832. Prices of British staple articles, and of West India, Spanish Main, and East India produce, 1826–1833.

Wheat [Gt. Britain]... Average prices of wheat in fifteen ... agricultural and fifteen manufacturing and commercial towns in ... April, August, and December ... 1833-1835, 1839-1841. [London, 1842.] 8 pp. F°. (Great Britain. Parl. Papers. Sess. 1842, (83.) v. 40.)

—— Same, in each year since 1841. [1842—1848.] [London, 1849.] 8 pp. F°. Idem. Sess. 1849, (100.) v. 50.)

Great Britain.—Corn sale committee. Report from the Select Committee [Gt. Britain] on the Sale of Corn; with the minutes of evidence, appendix, and index. [Fiar prices of corn and grain in England and Scotland. Quotations of the price of corn. Methods of quotation in England, Scotland and Ireland. Fifth report from Committee on High Price of Corn, etc., 18 March, 1796. London,

Grain, Great Britain, cont'd.

1834.] xxxiv, 336, 101, 50 pp., 1 map, 6 pl. F°. (Great Britain. Parl. Papers. Sess. 1834, (517.) v. 7.)

**Grain** [Great Britain]. A return of the septennial prices of each kind of grain, as prepared for ... the Tithe Commissioners ... 1835-1845; together with the annual average prices ... [London, 1845.] Il. F°. (Great Britain. Parl. Papers. Sess. 1845, (56). v. 46.)

Great Britain.—Agriculture committee. First, Second, [and] Third report from the Select Committee [Great Britain] appointed to inquire into the state of agriculture; with the minutes of evidence, appendixes and index. [London, 1836.] 3 v. in 2. F°. (Great Britain. Parl. Papers. Sess. 1836, (79., 189., 465.) v. 8, pt. 1-2.)

Effect of the corn laws generally; effect on prices. Price of corn in former years and at present. Comparative price of wheat and corn. Cause of low prices, and of late rise in prices. Comparison between wages and price of provisions. Effect of altering prices on wages. Prices of British grain, of bread and meat, and of wool in Norfolk and Suffolk, 1815-1835. Prices of corn and grain in Irish market towns, 1833-35. Prices of provisions at Greenwich Hospital, 1790-1835. Prices of food, clothing, and household stores, bought for Greenwich Hospital, and the rates of wages; with prices of provisions at Bethem Hospital; and of bread and meat bought by the Commissariat Department, 1815-1835. Prices of wheat and barley at Danzig, Hamburgh and Rotterdam, 1820-1835; and of wheat in Paris, Rotterdam and London, 1832-1836. Letter on the corn laws. Manner of striking fiars prices in Scotland.

Wheat [Great Britain.] A return of the weekly

Wheat [Great Britain.] A return of the weekly average price of wheat in . . . the several towns from which returns are made to the Comptroller of Corn Returns . . in . . . 1836, 1839 and 1841. [London, 1842.] 50 pp. F°. (Great Britain. Parl. Papers. Sess. 1842, (78). v. 40.)

Report from the select committee of the House of Lords, [of Great Britain] appointed to inquire into the state of agriculture in England and Wales; with the minutes of evidence, appendix and index. [London, 1837.] iv, 414, 60 pp. F°. (Great Britain. Parl. Papers. Sess. 1837, (464). v. 5.)

Corn laws. Rise of corn in reign of King William and Elizabeth. Price of corn for 50 years ending 1704. High prices of wool. Prices of wheat at different periods in England, Ireland and France. Wages in England and Ireland. Danger of reduction because of low prices. Average prices of wheat, barley, oats, &c., in the market of Mark-Lane, 1815-1835. Prices of beef, mutton, veal, pork, &c., at Smithfield and Leadenhall Markets, 1815-1835. Prices of clothing in Greenwich, Bethlem and Chelsea Hospitals. 1815-1835. Prices of Irish salted beef and pork, 1813-1836.

Wheat. Bonded corn [Great Britain]. Return of the prices of wheat for . . . 1838 . . . [London, 1839.] I l. F°. (Great Britain. Parl. Papers. Sess. 1839, (46). v. 46.)

**Danson** (J. T.) A contribution towards an investigation of the changes which have taken place in the condition of the people of the United Kingdom during the eight years . . . 1839 to the harvest of 1847; and an attempt to develope the connexion (if any) between the changes observed and the variations occurring during the same period in the prices of the most necessary articles of food. London: M. & W. Collis, 1848, 40 pp. 8°.

Average Gazette prices of British wheat, barley and oats, per imperial quarter, in each month, 1840 [to date]. (In: Statistical abstract for the United Kingdom. [no. 1] and following.)

Corn. Returns of the quantities and average price, for each six weeks, of corn sold in towns

named in the acts 9 Geo. 4, c. 60, and 5 Vict., c. 14. [London, 1843.] I l. F°. (Great Britain. Parl. Papers. Sess. 1843, (23). v. 53.)

etc. Accounts relative to the import, export and consumption of corn, grain, meal and flour in the year 1843... [Prices of wheat in England and Wales, Guernsey and Jersey.] [London, 1844.] Io pp. F°. (Great Britain. Parl. Papers. Sess. 1844, (156). v. 45.)

— Same, in the year 1844... [London, 1845.] 4 pp.; 8 pp. F°. (Idem. Sess. 1845, (115, [1]-2). v. 46.)

—— Same, in the year ending Jan. 5, 1846. [London, 1846.] 10 pp. F°. (Idem. Sess. 1846, (130). v. 44.)

—— Same, in the year ending Jan. 5, 1847. [London, 1847.] 14 pp F°. (Idem. Sess. 1847, (259). v. 59.)

Wheat [Great Britain]. A return of the weekly average price of wheat, by which the duty is regulated, from the 2d day of March, 1844, to the present time . . [London, 1846.] 2 pp. F°. (Great Britain. Parl. Papers. Sess. 1846, (96). v. 44.)

Grain, flour and meal. A return of grain . . . entered for home consumption, in the United Kingdom, in . . . the three years ending June 5, 1845, 1846 and 1847, etc. [With average prices, alteration of prices, etc.] [London, 1847.] 4 pp. F°. (Great Britain. Parl. Papers. Sess. 1847, (649). v. 59.)

**Danson** (J. T.) On the current price of corn in England during the last ten years, as illustrating the value of agricultural statistics. (Royal Statistical Society. Journal. v. 18, pp. 1-20. *London*, 1855. 8°.)

**Population,** taxation, etc. Returns... [London, 1846.] 8 pp. F°. (Great Britain. Parl. Papers. Sess. 1846, (360). v. 44.)

Average price of wheat per quarter, and the fluctuation per cent. under the different laws regarding the duty in England and Wales, 1796-1845. Highest and lowest price of wheat throughout Europe in time of peace, 1821-1835. Fluctuation per cent. in the price in time of war, between 1808 and 1842. Prices of meat per lb. in each quarter, 1842-1845.

**Bank** of England, etc. Accounts of the notes, securities . . . etc. . . . [Weekly average prices of wheat, barley, oats, rye, beans and peas, 1846–1848, and Jan.-June, 1849. Monthly average prices of imported wheat, wheat-flour, grain and meal, for the same period.] [London, 1850.] 24 pp. F°. (Great Britain. Parl. Papers. Sess. 1850, (70). v. 33.)

—— Same [prices of wheat, etc., July, 1849-June, 1853...prices of imported wheat, etc., Jan., 1849-June, 1853]. [London, 1853.] 26 pp. (Idem. Sess. 1852-53, (953). v. 57.)

—— Same [prices of wheat, etc., July, 1853—Aug., 1856... prices of imported wheat, etc., Jan., 1853, June, 1856]. [London, 1856.] 18 pp., 1 l. (Idem. Sess. 1856, (410). v. 38.)

—— Same [prices of wheat, etc., Aug., 1856—Aug., 1857... prices of imported wheat, etc., Jan., 1853—June, 1857]. [London, 1857.] 18 pp., 1 l. (Idem. 1857, Sess. 2, (319). v. 25.)

Grain, flour and meal. Return, "showing the quantities of foreign grain...imported into the United Kingdom...1847-1848, and in...the

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first four months of 1849; with ... the average prices of wheat ..." [London, 1849.] 8 pp. F°. {Great Britain. Parl. Papers. Sess. 1849, (422). v. 50.)

— Meal and flour. Returns "of all grain... imported into the United Kingdom... March, 1848... and also of the weekly average price of ... grain since... February, 1848. [London, 1848.] 8 pp. F°. (Great Britain. Parl. Papers. Sess. 1847-48, (449). v. 58.)

—— Same, to February, 1849...and...price of ... grain since June 21, 1848. [London, 1849.] 14 pp., 1 l. F°. (Idem. Sess. 1849, (190). v. 50.)

Corn, etc. [Great Britain.] A return "of the ... quarters of corn ... with the ... cwts. of meal ... imported ... Jan. 5, 1849–Jan. 5, 1850; specifying the average price of each description of corn monthly ..." [London, 1850.] 6 pp. F°. (Great Britain. Parl. Papers. Sess. 1850, (181). (v. 52.)

—— Same, Jan. 5, 1850-Jan. 5, 1851... [London, 1851.] 4 pp. (Idem. Sess. 1851, (100). v. 53.)

—— Same, Jan. 5, 1851-Jan. 5, 1852... [London, 1852.] 4 pp. (Idem. Sess. 1852.(333). v. 51.)

Probable future of price of wheat. (Banker's magazine. v. 10, pp. 213-218. London, 1850. 8°.)

Report from the select committee of the House of Lords, [Great Britain], appointed to inquire into the best mode of obtaining accurate agricultural statistics from all parts of the United Kingdom... with the minutes of evidence, appendix and index. [London, 1855.] xi, 205 pp., I plan. F°. (Parl. Papers. Sess. 1854-55, (501). v. 8.)

Mode of ascertaining corn averages not reliable as to prices. Sudden fluctuations in prices caused by want of statistics. Highest and lowest averages of corn imported, 1840-1854. Procedure as to sales of grain in the Haddington corn exchange, 1855.

Wheat, etc. Returns . . . of the quantities of . . . grain . . . sold during . . . 1856 in . . . counties of England and Wales, and the six weeks' average prices thereof . . . [London, 1857.] 6 pp. (Great Britain. Parl. Papers. 1857, sess. 1, (105). v. 16).

— Same, 1857 . . . [London, 1858.] 6 pp. (Idem. Sess. 1857-58, (355). v. 53.)

Comparative statement "of average price of wheat and of bread, in England, for years 1867 to 1887." [London, 1888.] 4 pp. F°. (Great Britain. Parl. Papers. Sess. 1888, (449). v. 81.)

Return "showing total quantities of wheat, barley and oats returned for purpose of the Gazette' average prices in England and Wales, in 1880, also of average prices for same. [London,] 1881. 8 pp. F°. (Great Britain. Parl. Papers. Sess. 1881, (411). v. 83.)

**Poynting** (J. H.) Fluctuations in price of wheat. (Royal Statistical Society. Journal. v. 47, pp. 34-64. *London*, 1884. 8°.)

Returns "showing the total quantities of wheat, barley and oats returned for purpose of 'Gazette' average prices in Nov., 1886, and Feb., 1887, and in year 1886, also of average prices of same for same year." London [1887]. 15 pp. F°. (Great Britain. Parl. Papers. Sess. 1887, (108). v. 75.)

Great Britain.—Corn averages committee. Report from the select committee on corn averages, with proceedings, etc. [London, 1888.] viii, 198 pp. F°. (Great Britain. Parl. Papers. Sess. 1888, (312). v. 10.)

With tables of average price of wheat, barley and oats, 1835-87, and prices for 1887 by county, etc.

—— Second report from the select committee on corn averages, with proceedings, etc. [London, 1888.] xxvi, 163 pp. F°. (Idem. Sess. 1888, (413). v. 10.)

With tables of average prices for 1886 in England and Wales, fiars prices in Scotland, 1870–1886, and average prices of wheat and oats in Dublin from 1866 to 1887.

Statistical tables of corn prices for the year 1888; with comparative tables for previous years. London. 1889. 24 pp. F°. (Br. Parl. Papers, 1889. v. 60.)

---- 1889. *Idem*. 1890. v. 58.

— 1890. *Idem*. 1890/1. v. 63.

- 1891. Idem. 1892. v. 63.

#### - Ireland.

Account (An) of the yearly average prices of corn and grain... of flour and meal... in the Dublin market, from 1812 to 1818. [London, 1819.] I. F°. (Great Britain. Parl. Papers. Sess. 1819, (172). v. 16.)

**Grain** [Ireland]. An account of the weekly average price of all sorts of grain, Jan. 5, 1823-Apr. 25, 1823. An account of the average price of . . . grain sold in the Dublin market for three years, ending 5th January, 1823. [London, 1823.] I l. F°. (Great Britain. Parl. Papers. Sess. 1823, (358), v. 16.)

—— An account of the average price of all sorts of grain, in Ireland, Jan. 5, 1821-Jan. 5, 1823... [London, 1823.] Il. F°. (Great Britain. Parl. Papers. Sess. 1823, (559). v. 16.)

Wheat and oats, Ireland. A return of the average price of wheat and oats...for...seven years next preceding the 1st of November, 1821...seven years preceding the 1st of November, 1830...[and for seven years preceding April 1, 1834]. [London, 1834.] 6 pp. F°. (Great Britain. Parl. Papers. Sess. 1834, (244). v. 49.)

— and oats (Ireland). A return of the yearly average prices of wheat and oats per barrel in Ireland, 1824–1837. [London, 1838.] Il. F°. (Great Britain. Parl. Papers. (Sess. 1837–38, (177). v. 45.)

and oats (Ireland). Returns of the yearly average prices of wheat and oats per barrel.,. [May, 1828-May, 1839.] [London, 1839.] I. l. F°. (Great Britain. Parl. Papers. Sess. 1839, (494). v. 46.)

— and oats (Ireland). Returns of the average prices of wheat and oats, per barrel, [May, 1831–May, 1840] . . . [London, 1840.] 11. F°. (Great Britain. Parl. Papers. Sess. 1840, (590). v. 44.)

oats and barley (Ireland). Return, "showing the average price per cwt... in the eleven maritime market towns in Ireland... 1832-1844." [London, 1852.] 4 pp. F°. (Great Britain. Parl. Papers. Sess. 1852, (316). v. 47.)

—— and oats (Ireland). Returns of the average prices of wheat and oats per barrel... May I, 1839—May I, 1851... [London, 1851.] Il. F°. (Great Britain. Parl. Papers. Sess. 1851, (323). v. 50.)

Grain, cont'd.

- Scotland.

Correspondence as to the Kincardineshire Fiars for crop, 1821. *Montrose: D. Hill* [1822]. 16 pp. 8°.

Three letters signed "Investigator."

Maclean (John Hugh). Remarks on fiar prices and produce rents. Edinburgh: A. Constable & Co., 1825. 1 p. l., 82 pp. 8°.

Accounts relating to the average prices of corn. Return in Scotland in 1824; and . . . in 1825.

n. t. p. [London, 1835.] 10 pp. F°. (Great Britain. Parl. Papers. Sess. 1825, (473). v. 20.)

Nicoll (Francis). Observations by a committee of the General Assembly of the Church of Scotland, on striking fiars, or fixing the average prices of grain and oatmeal. Published 1822. A new edition, with tables of recent fiars, and notes concerning the present methods of fixing average rates. To which are added, an abstract of the weight and measure act, 5 Geo. IV. C. 74, and notes relating to the stirling jug, &c. Edinburgh: Oliver & Boyd, 1829. 7 p. l., 44, 8 pp. 8°.

————— New ed. Edinburgh: Oliver & Boyd, 1829. 44, 6 pp. 8°.

Corn averages, Scotland... Reports of the Committee of the General Assembly of the Church of Scotland on the mode of striking the fiars [or fixing the average prices of grain, etc., of the date 1830-31]. [London, 1834.] 14 pp. F°. (Great Britain. Parl. Papers. Sess. 1834, (259). v. 49.)

Ministers' stipends and teinds (Scotland). Abstract of returns... [Tables of the fiars prices of grain, in each county, 1841–1847.] [London, 1849.] 24 pp. F°. (Great Britain. Parlt. Papers. 1849, (313). v. 42.)

**Return** "for each county in Scotland of the fiars prices of grain, etc., as struck by the sheriffs and juries of counties, 1879–1886, distinguishing the several classes of grain, etc." [London, 1887.] 8 pp. F°. (Great Britain. Parl. Papers. Sess. 1887, (319). v. 66.)

India.

Stirling (E.) Price of grain at Allygurh, near Delhi, from 1804-1832 inclusive. (Jour. Asiat. Soc. of Bengal. v. 3, pp. 620-621. Calcutta, 1834. 8°.)

Italy.

Löhne und Weizenpreise in Italien, 1862-1887. (Zeitschrift des königl. Preussischen Statistichen Bureaus. 29. Jahrg. 1889, St. K. xxv. Berlin, 1889. F°.

Netherlanas.

Sillem (Jerome Alexandre). Tabellen van marktprijzen van granen te Utrecht in die Jaren 1393 tot 1644. Uit de rekeningen en weeklijsten der domproosdij. 14 tables. (Koninkl. akad. van wetensch. Verhandel. [Afdt. Letterkunde]. n. s., v. 3, no. 4, p. 1-31. Amsterdam, 1901.)

**Röell** (W[illem] F[redrik]), baron. Aaanmerkingen aan den koning op den 24. Junij, 1825, ingezonden door den minister van staat baron W. F.

Röell, aangaande het antwoord van den Heer Barthelemy, lid der Tweede Kamer van de Staten-Generaal, op deszelfs memorie van 15. Julij, 1824. n. p. [1825?] Ip.l., 65 pp. 8°.

Russia.

Crawford (J. M.) Russian measures concerning grain prices, 1893. (U. S. Cons. Rpts. v. 44, pp. 368-377. Washington, 1893. 8°.)

Switzerland.

Getreidepreise im Kanton Zürich in den Jahren 1540-1870, nach Waser und Müller. (Zeitschrift für Schweizerische Statistik. 14. Jahrg. 1878, pp. 172-173. Bern, 1878. F°.)

Schwankungen (Die) im Getreidepreise in Zürich während 108 Jahren [1770–1878]. Berechnet und graphisch dargestellt durch das statistischen Bureau der Direction des Innern. (Zeitschrift für Schweizerische Statistik. 14. Jahrg. 1878, opp. 232. Bern, 1878. F°.)

Marktpreise des Dinkels in der Stadt Bern vom Jahre 1847 bis zum Jahre 1860, sowohl nach dem Hohlmaass als nach dem Gewicht notirt. (Jahrbücher für Nationalökonomie und Statistik. v. 6, pp. 297–304. *Jena*, 1866. 8°.)

Getreide- (Weizen-) Preise auf den Märkten Rorschach, Zurich und Basel im Jahr 1868. (Zeitschrift für Schweizerische Statistik. 5. Jahrg. 1869, p. 66. Bern, 1869. F°.)

**Uebersicht** über die mittleren Weizenpreise auf den hauptsächlichen schweiz. Märkten während 1865-70. (Zeitschrift für Schweizerische Statistik. 7. Jahrg. 1871, p. 47. *Bern*, 1871.)

Getreidepreise auf dem Markte Bern von 1865 bis 1882 nach Monats- und Jahresdurchnitten. (Zeitschrift für Schweizerische Statistik. 19. Jahrg. 1883, pp. 212-213. Bern, 1883. F°.)

**Kornpreise** (Die) auf den drei schweiz. Haupt-Markten von 1865-1882 nach Monats- ü. Jahresdurchschnitten. (Zeitschrift für Schweizerische Statistik. 19. Jahrg. 1883, pp. 212-213. *Bern*, 1883. F°.)

Jahresdurchschnittspreise der 4 Hauptgetreidearten in Bern während 1865 bis 1882. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 27. Jahrg. 1887, p. 124. Berlin, 1887. F°.)

**Uebersicht** über die mittleren Weizenpreise im Jahr 1871 auf nachfolgenden Plätzen. (Zeitschrift für Schweizerische Statistik. 8. Jahrg. 1872, p. 75. *Bern*, 1872. F°.)

Bern, 1872. F°.)

— über die Getreidepreise auf den drei schweizerischen Hauptgetreidemärkten während 1871-73. (Zeitschrift für Schweizerische Statistik. 10. Jahrg. 1874, p. 194. Bern, 1874. F°.)

Getreidepreise auf den Haupt-Markten der Schweiz von 1882-1886 nach Monats- und Jahresdurchschnitten. (Zeitschrift für Schweizerische Statistik. 23. Jahrg. 1887, p. 33. Bern, 1887. F°.)

Jahresdurchschnittspreise des Ungarischen weizens in Basel, Zürich und Rorschach während 1882 bis 1886. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 27. Jahrg. 1887, p. 124. Berlin, 1887. F°.)

des Roggens in Basel und Zürich während 1882 bis 1886. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 27. Jahrg. 1887, p. 124. Berlin, 1887. F°.)

Grain, cont'd.

United States.

Jahresdurchschnittspreise der 4 Hauptgetreidearten in den Vereinigten Staaten während 1862 bis 1885. (Zeitschrift des königl. Preussischen Statistischen Bureaus. 27. Jahrg. 1887, p. 125. Berlin, 1887. F°.)

**Veblen** (Thorstein B.) The price of wheat since 1867. (Journal of Political Economy. 68-103; 156-161. Chicago, 1893. 8°.)

**Hyde** (J.) Wheat prices [1867-1895]. 4 pp. sm. 8°. n. t. p.

Hooker (R. H.) Farm prices of wheat and maize in America, 1870-99. (Jour. Roy. Statist. Soc. v. 63, pp. 648-657. *London*, 1900.)

Local market prices of grain. (Iowa. Labor Stats. Bur. 5. bienn. rpt. 1892/93, pp. 121-179.) With tables for 1882-92.

Table showing average Kansas City price of corn in Dec., and local shipping price at stations named, 1888-1892. (Kansas. Labor and Indus. Bur. 9. ann. rpt. 1893, pp. 681-682).

Davis (C. W.) Why the price of corn is low. (Forum. v. 24, pp. 729-43. New York, 1898. 8°.)

#### HOPS.

# Austria-Hungary.

Goldschmidt (J.) Commerce and industries of Austria-Hungary, 1891. (U. S. Cons. Rpts. v. 35, pp. 505-580. Washington, 1891. 8°.) With tables of average prices of Saatz hops, 1875-89, and Auscha red hops, 1879-89, and fluctuating prices of beet-root sugar in 1889.

— Austrian hops, 1892. (U. S. Cons. Rpts. v. 40, pp. 263-273. Washington, 1892. 8°.)

With table of average price of Saatz hops at opening, middle and close of harvests from 1875-89, same for Auscha red hops, from 1879-89.

Germany.

Horstmann (G. H.) Hop crop of Germany, Nov., 1882. (U. S. Cons. Rpts. v. 9, pp. 101-104. Washington, 1883. 8°.)
Tables of highest selling prices from 1860-82

— The hop crop of Germany. (U. S. Cons. Rpts. v. 11, pp. 703-708. Washington, 1883. 8°.)
Table of prices.

Great Britain.

Report from the select committee on the hop industry; together with proceedings and minutes of evidence. London, 1890. xxiv, 321 pp. F°.)
With table of average price... for hops sold from 1865 to 1889. See also index for references to testimony.

#### IVORY.

Lincoln (G. F.) Antwerp ivory market, 1892. (U. S. Cons. Rpts. v. 40, pp. 589-590. Washington, 1892. 8°.) With table of prices.

#### KEROSENE.

Karel (J.) Russian kerosene industry, 1895. (U. S. Cons. Rpts. v. 48, pp. 318-322. Washington, 1895. 8°.)
With tables of prices at Baku, 1891-95, and in New York and London, Jan.-Mch., 1895.

#### LEATHER AND HIDES.

United States .- Foreign Commerce Bureau. Hides and leather in Europe, 1896. (Cons. Rpts. v. 52, pp. 365-432. Washington, 1896. 8°.)
With tables of prices at Antwerp market in 1874, '75, '80, '85, 90-95, average prices in Dusseldorf, 1895, and Cologne.

Great Britain.—Leather committee. First, Second [and] Third report. Minutes of evidence taken before the select committee [Gt. Britain] appointed to consider the . . . laws relating to . . leather. [Prices of hides, skins, leather, bark and shoes.] [London, 1816.] 2 p.l., 142 pp. F°. (Parl. Papers. Sess. 1816, (386). v. 6.)

**Hides** and skins bill [Gt. Britain]. Minutes of evidence taken before the committee on the bill . . . Prices of hides and skins. [London, 1824.] 119 pp. F°. (Great Britain, Parl. Papers. Sess. 1824, (323). ▼. 7.)

# LIVING EXPENSES.

See also WAGES.

Influence, de droits d'octroi sur les salaires. (Journal des Économistes. 13 année, Avril, 1854. pp. 151-154. Paris, 1854. 8°.)

- des droits d'octroi sur les salaires. (Annales de la Société d'Économie politique. Séance du 5 Avril, 1854. Paris, 1889. 8°.)

- du prix des vivres et de l'abondance de l'or sur les salaires. (Journal des Économistes. année, Avril, 1856. pp. 138-143. Paris, 1856. 8°.)

- du prix des vivres et de l'abondance de l'or sur les salaires. (Annales de la Société d'Économie politique. Séance du 5 Mars, 1856. pp. 274-282. Paris, 1889. 8°.)

Prices and wages, Resolutions of the International Statistical Congress. (Economist. v. 18, pp. 843-844. London, 1860. F°.)

Böhmert ( ). Ueber die Methoden der socialstatistischen Untersuchungen, mit besonderer Rücksicht auf die Statistik der Löhne u. Preise. (Zeitschr. Schweiz. Stat. 10. Jahrg. 1874, pp. 142-173.)

State of labor in Europe: 1878. Reports from the U.S. consuls in the several countries of Europe on the rates of wages; cost of living to the laborers, etc. Washington, 1879. 428 pp. 8°.

Cout (Le) du vivre a-t-il une influence sérieuse sur la fixation du taux des salaires? (Annales de la Société d'Économie politique. Séance du 5 Mars, 1883, pp. 39-61. Paris, 1896. 8°.)

Labor in Europe. Reports from the consuls of the United States in the several countries of Europe on the rate of wages, cost of living to the laboring classes, etc. Washington, 1885. 3 v. 8°.)

v. 1-2, Europe; v. 3, America, Asia, Africa, Australia, and Polynesia.

Collet (C. E.), and Bonar (J.) Wages and the standard of living. (Quarterly Journal of Economics. v. 5, pp. 365-369. Boston, 1890. 8°.)

United States.—Foreign Commerce Bureau. Metal founding in England, France, and Germany, 1892-93. (Cons. Rpts. v. 42, pp. 353-384.)

With tables of wages and prices.

Modern variations in the purchasing power of gold. An investigation into the extent and causes of recent price variations. (Minnesota. Labor Bur. 5. bienn. rpt. 1895/96, pp. 9-524.)

Richards (Ellen H.) The cost of living as modified by sanitary science. New York, 1899. 12°.

# Austria-Hungary.

Janssen (E.) Commerce, industries, etc., of

Living Expenses, cont'd.

Austria-Hungary, 1886. (U. S. Cons. Rpts. v. 19,

pp. 1-34.)
With tables of wages and prices of provisions in the 3.-5.
districts of Bohemia; table of price and value of grain during 1884 and 1885.

# Argentine Republic.

**Baker** (E. L.) Conditions and prices of labor in the Argentine Republic, 1885. (U. S. Cons. Rpts. v. 18, pp. 1-18.)

With tables of wages paid in the city of Buenos Aires.

#### Australasia.

Griffin (G. W.) Labor in Australasia, 1890. (U. S. Cons. Rpts. v. 35, pp. 285-302.)

With tables of wages in New South Wales, 1830-1889; of various trades, 1889; average retail price of food, etc., in New South Wales, 1836-88, and monthly in 1889.

Maratta (D. W.) Wages and food prices in Australia, 1895. (U. S. Cons. Rpts. v. 49, pp. 69-75. Washington, 1895. 8°.)

#### - New Zealand.

United States .- Foreign Commission Bureau. Wages and prices in New Zealand during 1885. (U. S. Cons. Rpts. v. 21, pp. 104-109.)

Connolly ( ). Organized labor in New Zealand 1890. (U. S. Cons. Rpts. v. 34, pp. 360-

With tables of average wages and prices of produce, etc., during 1889.

# Belgium.

Ducpetiaux (E.) Budgets économiques des classes ouvrièrs en Belgique. Subsistences, salaries, population. Bruxelles: Hayes, Imp., 1855. Ip. l., 340 pp. 4°. (Belgium. Statistique, Commission Centrale de.)

Engel (E.) Die Lebenskosten belgischer Arbeiter-Familien früher und jetzt. Ermittelt aus Familien-Haushaltrechnungen und vergleichend zusammengestellt. (In Bull. de l'Inst. Internat. de Stat., Rome, t. 9.)

Slade (W.) Agriculture, mines, smelting furnaces, and woolen fabrics of Belgium. 1885. (U.S. Cons. Rpts. v. 20, pp. 102-120.)

With tables of average wages, and of average prices of grain, 1871-1883.

# Canada.

Special report on the condition of the laboring classes in Newfoundland, Quebec, Ontario, and the maritime provinces of Canada. (Rpt. of U. S. Immigration Investigation Commission, 1895. App. F'.)
Wages, cost of living, etc.

#### China.

**Bedloe** (E.) Labor in Amoy. 1891. (U. S. Cons. Rpts. v. 38, pp. 137-156.)

With tables of wages and food prices.

Jernigan (J. R.) Labor and wages in China. 1895. (U. S. Cons. Rpt. v. 50, pp. 93-96.)

Rodet (Raymond). Budget de la famille Tcheng. (Études pub. par d. pères de la compagnie de Jesus. v. 84, pp. 399-403. Paris, 1900.)

**Wilson** (H. L.) Financial conditions in Chile, 1898. (U. S. Cons. Rpts. v. 58, pp. 321-334.) With tables of prices of some important articles, and wages paid June 1, and Aug. 1, 1898.

Colombia.

Dawson (T. M.) Labor in Colombia. August, 1883. (U. S. Cons. Rpts. v. 10, pp. 678-688.)

Cost of living, wages, prices.

#### Ecuador.

Beach (H. N.) Wages and cost of living in Ecuador. Nov., 1883. (U. S. Cons. Rpt. v. 11, pp. 351-352.)

#### France.

Michel (Georges). La France à la fin de l'ancien régime. Les prix des choses nécessaires à la vie et la condition des classes rurales. (L'Économiste français. 24. année, vol. I, pp. 785-86. Paris, 1896. F°.)

Cont (Le) du vivre a-t-il une influence sérieuse sur la fixation du taux des salaires? (L'Économiste français. 11. année, vol. 1, pp. 287-90. Paris,

Leroy-Beaulieu (Paul). Du prix de l'existence et de la prétendu hausse de la valeur de l'or. (L'Économiste français. 11. année, vol. 1, pp. 565-567, 629-631. Paris, 1883. F°.)

Le coût de la vie aujourd'hui et il y a trente ans. (L'Économiste français. 23. année, vol. 2, pp. 569-71. Paris, 1895. F°.)

- Les variations et la tendance des prix des objets de première nécessité depuis un siècle. (L'Économiste français. 25. année, vol. 1, pp. 505-507, 541-43. Paris, 1897. F°.)

Williams (O. F.) Wages and food prices in Havre. 1891. (U. S. Cons. Rpts. v. 35, pp. 438-442.)
With table of cost of supplies.

# --- Paris.

Bienaymé (Gustave). Le coût de la vie à Paris à diverses époques. Illus. (Soc. de statist. de Paris. Jour. v. 36, pp. 57-68, pp. 355-360; v. 37, pp. 375-390; v. 38, pp. 83-90; v. 39, pp. 369-382. *Paris*, 1895-98.)

Michel (Georges). La cherté de la vie à Paris. (L'Économiste français. 20. année, vol. 2, pp. 644-46. Paris, 1892. F°.)

**Desmets** (J.) Le coût de la vie à Paris. (La Réforme Économique. 8. année, pp. 362-67. Paris, 1899. F°.)

Leroy-Beaulieu (Paul). Le coût de la vie à Paris depuis trois quarts de siècle. (L'Économiste français. 27. année, vol. 1. Paris, 1899. F°.)

## Germanv.

Brugsch (Heinrich [Karl]). Die Kosten des Haushalts in alter Zeit. Berlin: L. Simion, 1890. 32 pp. 8°.

Conrad (Johannes). Ueber das Steigen der Lebensansprüche. (Holtzendorff and Oncken. Deutsche Zeit- u. Streit-Frag., Jahrg. 6, Heft 91.) Berlin, 1877. 8°.

Vogeler (F.) Wages and food prices in Germany, April, 1882. (U. S. Cons. Rpt. no. 19, pp. 1-5.)

Brewer (M. S.) Labor, wages and living in Germany. 1883. (U. S. Cons. Rpts. v. 13, pp. 304-312.)

wages, etc.

Living Expenses, cont'd.

Potter (J. S.) State of labor in Germany. (U. S. Cons. Rpt. no. 10, pp. 114-117. April, 1881.)

Table of wages of laborers per week, and prices of food

Eberty (E.) Die Hauswirthschaft und der Markt. Berlin, 1886. 8°. (Holtzendorff (F. v.) Deutsche Zeit- und Streit-Fragen, n. F. Jahrgang 1, Heft 1.)

Hampke (C.) Das Ausgabebudget der Privatwirtschaften. Jena: G. Fischer, 1888. vi, 148, lvii pp. 8°. (Staatswiss. Seminar Halle a. S. Samml. nationalökonom. und statistis. Abhandl. v. 4, no. 6.)

Washburn (A. H.) Wages and cost of living in Germany: (In: U. S. Congress, 52. Congr., 2. sess., '92-'93. House of Rep. Misc. doc. No. 109. pp. 96-104. Washington, 1893. 8°.)

**Barnes** (J. A.) Labor in West Germany. 1899. (U. S. Cons. Rpts. v. 60, pp. 510-512.)

With table of wages, and prices of food.

#### Brunswick,

Fox (W. C.) Duchy of Brunswick. 1885. (U. S. Cons. Rpts. v. 19, pp. 365-376.)

With tables of highest and lowest prices to agricultural labor for piece-work in 1866 and 1880, and average monthly and yearly prices (1884) of chief kinds of grain, etc.

# - Dresden.

Haug (Heinrich). Die Ämter-Kammergutsund Rentkammer-Rechnungen des Hauptstaatsarchivs zu Dresden. (Neues Archiv f. Sächsische Geschichte u. Altertumskunde. v. 20, pp. 72-104. Dresden, 1899.)

### – Freiburg.

Conrad (M.) Die Entwicklung der Häuserpreise im Freiburg i./Br. während der letzten 100 Jahre. *Jena: G. Fischer*, 1881. 47 pp. 8°. (Staatswiss. Seminar Halle a. S. Samml. nationalökonom. und statistis. Abhandl. v. 1, no. 6.)

#### - Prussia.

Wirkliche und Mittelpreise der wichtigsten Lebensmittel für Menschen und Tiere in d. bedeutendsten Marktorten d. preussischen Monarchie während d. k-J., 1895, bezu. d. Erntejahres, 1894-'95. (Zeitschrift d. kgl. preuss. statistischen Bureaus, 1896, pp. 1-80. Berlin, 1896.)

# – Silesia.

**Dithmar** (H.) Cost of labor, and subsistence of work-people [in Silesia]. (U. S. Cons. Rpts. v. 19, pp. 427-434).
With tables of wages of coal and ore miners, and mine

laborers, 1881-1884, and prices of supplies (food, etc.).

## - Thuringia.

Kius (Dr.) Die Preis- und Lohnverhältnisse des sechszehnten Jahrhunderts in Thüringen. (Jahrbücher für Nationalökonomie und Statistik. v. 1, pp. 65-78; 279-309; 513-536. Jena, 1863. 8°.)

# - Württemberg.

Preise der gewöhnlichsten Lebensbedürfnisse ums Jahr 1600. (Württb. Jahrb. 1840, p. 397. Stuttgart, 1841. 8°.)

- der Lebensbedürfnisse, 1842. (Wurttb. Jahrb. 1842, pp. 40-43. Stuttgart, 1843. 8°.)

– ŭ. Löhne. (Württemb. Jahrb. 1873, '74, '80, '85, and from 1885 continued every year thereafter.)

Statistik (Zur) der Preise u. Löhne in Württemberg. (Zeitschr. Preuss. Stat. 15. Jahrg. 1875. St. K., i-ii.) Various; grain highest, 1847, 1854, 1873; food, 1872, 1873;

Great Britain.

Wages and prices a hundred years ago. (Fenland Notes and Queries. v. 4, pp. 227-228. Peterborough, 1899. 8°.)

[Retail prices of provisions for the workingclasses, with the wages and earnings of labourers, and of weavers, spinners, etc., in cotton, linen, and worsted mills and factories in Manchester, Sheffield, Glasgow, Londonderry, and other towns, 1810-1834, 1844/9.] (In: Tables of revenue, population and commerce of the United Kingdom, 1833-1850. pt. 1-4, 17-18.)

#### Continued as:

[Average rate of daily wages paid to persons employed in manufactures in various towns in the United Kingdom and Ireland, 1855-1890. Wages of agricultural labourers in England and Scotland, 1860/1, 1869/70; and in Ireland, 1860.] (In: Miscellaneous statistics of the United Kingdom, 1858-1883. pt. 1-11.)

Wages and prices, 1833. (British Almanac. Companion, 1834, pp. 33-61. London, 1834. 12°.)

Hand-loom weavers. Report from assistant hand-loom weavers' commissioners. [London, 1839-40.] 5 pts. F°. (Great Britain. Parl. Papers. 1839 (159), v. 42; 1840 (431-2), v. 23; 1840 (217, 220), v. 24.)

Reports on Scotland, France, Belgium, Switzerland, Austria, England, Germany, and Ireland. Wages and earnings of weavers, artizans, agricultural laborers, colliers, etc. Prices of provisions and of machinery. Depressing effect of the corn laws. Comparative wholesale prices of gingbams, cottons, etc., at St. Gall, Switz., and at Glasgow, Scotland. Comparative prices of French and English cottons. Price of coals and labor of getting, at Charleroi. Table of prices of corn and grain in Belgium. Fiars prices of wheat and oatmeal in the east of Scotland, 1830-1836.

**Report** from the Select Committee [Gt. Britain] on Payment of Wages Bill, and Payment of Wages (Hosiery) Bill; together with the proceedings . . minutes of evidence, and index. [High prices of provisions at truck shops. The effect of the truck system of payment on wages. Effect of the increased price of provisions on wages.] [London, 1854.] xii, 452 pp. F°.) (Great Britain. Parl. Papers. Sess. 1854 (382), v. 16.)

- from the Select Committee [Gt. Britain] on Stoppage of Wages (Hosiery); together with proceedings . . . minutes of evidence, appendix, and index. [Relation between wages and the prices of goods. Earnings of framework knitters and agricultural labourers.] [London, 1855.] xxiv, 704 pp. F°. (Great Britain. Parl. Papers. Sess. 1854-55 (421), v. 14.)

- First-Forty-ninth report from Select Com mittee [Gt. Britain] on the Poor Law Amendment Act; with the minutes of evidence [appendixes, and general index]. [London, 1838.] 51 v. in 3. F°. (Great Britain. Parl. Papers. Sess. 1837-38, v. 18, pt. 1-3.)

Containing tables of the rates of wages, and statements of the condition of laborers as regards employment, wages, price of provisions and cost of living.

Living Expenses, Great Britain, cont'd.

Merritt (E. A.) Labor and living in the United Kingdom, Nov., 1883. (U. S. Cons. Rpt. v. 11, pp. 298-323.) Cost of living, wages, prices at Bradford, Cardiff, Dundee, Glasgow, Leeds, Sheffield, Manchester.

Lane (E. E.) Prices and wages in the pottery industry in England, 1885. (U. S. Cons. Rpt. v.

17, pp. 55-58.)

[Booth (C.)] Family budgets: being the income and expenses of twenty-eight British households, 1891-1894. Compiled for the Economic Club, with an introduction. 76 pp. London: P. S. King & Son, 1896. 4°.

Morrison (Arthur). Family budgets. A workman's budget. (Cornhill Maga. v. 10, pp. 446-456. London, 1901.)

Layard (G. S.) Family budgets. A lower middle-class budget. (Cornhill Maga. v. 10, pp. 656-666. London, 1901.)

Colmore (G.) Family budgets. Eight hundred a year. (Cornhill Maga. v. 10, pp. 790-800. London, 1901.)

Earle (Mrs.) Family budgets. Eighteen hundred a year. (Cornhill Maga. v. 11, pp. 48-61. London, 1901.)

Collet (Clara E.) The expenditure of middle-class working women. (Economic Jour. London, 1898. 8°. v. 8, pp. 543-553.)

# - Bradford,

Shepard (C. O.) Wages and food prices in Bradford, England, Feb., 1882. (U. S. Cons. Rpt. no. 19, pp. 67-69.)

#### - Bristol.

Lathrop (L. A.) The condition of labor in Bristol. (U. S. Cons. Rpt. v. 11, pp. 662-668.)

#### - Colonies.

[Prices and wages in British colonies. Prices of grain, agricultural produce, provisions and stock, with the rates of wages of various descriptions of labour. London, 1832-1842.] (In: Tables of revenue, population and commerce of the United Kingdom . . . , 1834-1844. pt. 3-8, 10, 12.)

The tables in pts. 3-8 are in the supplement. Prices of stock, 1836-42, and rates of wages, 1836-41, begin in pt. 7.

- Same, 1850-1875. (In: Statistical tables relating to the colonial and other possessions of the United Kingdom, 1856-1878. pt. 1-15.)

# Manchester.

Shaw (Albert D.) Wages of English factory operatives [at Manchester], Dec., 1881. (U. S. Cons. Rpt. no. 15, pp. 12-13.)
Includes prices.

#### - Nottingham.

Smith (Jaspar). Hosiery mills of Nottingham, May, 1882. (U.S. Cons. Rpts. no. 24, pp. 76-81.) Contains wages paid, and prices of necessaries of life.

#### Greece.

Horton (G.) Condition of labor in Greece, 2895. (U. S. Cons. Rpts. v. 50, pp. 287-289.) With tables of wages and food prices.

Prices and wages in India. Issue [3], 15-18. Calcutta, 1885-1901. 8° and 4°.

Statistics of prices and wages in India. (App. XIV to Final report of the Royal Commission appointed to inquire into recent changes in relative values of precious metals. pp. 113-138.) (Great Britain. Parl. Papers. Sess. 1888. C. 5512. 1, v. 45.)

Prices and wages in India. (Statistical atlas of India. 2d ed., 1895. ch. II.)

Patterson (R. F.) Wages and cost of food in India. 1898. (U. S. Cons. Rpts. v. 59, pp. 450-451.)

# Italy.

Bertolini (D.) Prezzi di alcune derrate e salari correnti in Venezia ed in alcune città della Dalmazia e del Levante, durante gli anni 1486 a 1490. (Annali di statistica 1881, ser. 2. v. 19, pp. 132-144.)

Welsh (Wm. L.) Labor and wages in Italy, particularly the district of Florence. (U. S. Cons. Rpts. v. 13, pp. 151-167.)

Salaries of officials and wages of laborers.

Bowen (A. O.) Italy in 1889. 1890. (U. S. Cons. Rpts. v. 34, pp. 58-107.)

With tables of average cost of provisions in 1887, and at periods of five years since 1862; same of wages in three cotton and woollen mills; prices of provisions and wages in Rome, Florence, Milan, Genoa, Leghorn, Naples, Palermo and Mes-

**Pepper** (G. W.) Wages and cost of living in Milan. (In: U. S. Congress, 52. congr., 2. sess., 1892-93. House of Rep. Misc. doc., No. 108, pp. 600-603. Washington, 1893. 8°.)

### Japan.

Sharp (H.) Prices and wages in Japan. 1897. (U. S. Cons. Rpts. v. 56, pp. 119-122.) With table of wages in Nov., 1895 and 1897.

# Mexico.

Strother (David H.) Living in the city of Mexico, April, 1882. (U. S. Cons. Rpt. no. 20, pp. 223-231. Washington, 1882. 8°.) Includes a "priced catalogue of leading articles of consumption."

#### Nicaragua.

O'Hara (T.) Nicaragua: natural resources and industrial conditions. 1896. (U. S. Cons. Rpts. v. 51, pp. 410-422.)

With tables of rates of wages, and retail prices of provisions.

#### Paraguay.

Preise a. Löhne in Paraguay. [1886?] (Zeitschr. Preuss. Stat. 29. Jahrg. 1889. St. K. xxvi.)

# Philippine Islands.

Prices of commodities and rates of wages in Manila. (Bull. Dept. of Labor. v. 6, no. 32, pp. 29-42. Washington, 1901.)

King (Hamilton). Wages and prices in Siam, (Consular Reports. v. 65, pp. 357-359. Washington, 1901.)

#### Spain.

Burke (D. N.) Labor and food prices in Ma. laga. 1895. (U. S. Cons. Rpts. v. 48, pp. 554-564. Washington, 1895. 8°.)

Living Expenses, cont'd.

## Switzerland.

Uebersicht der zu einer Schweiz-Preis- ü. Löhnstatistik verfügbaren Materialien. [Various dates, from 1858 to 1838.] (Zeitschr. Schweiz. Stat. 26. Jahrg. 1890, pp. 170–195.)

Chatelanat (A.) Die Lebensvertheuerung ü. die Staatsdienerbesoldungen. 4 pts. (Zeitschr. Schweiz. Stat. 9. (1873), 11. (1875); 12. (1876).

Parallele zwischen: 1, der Lebensmittelvertheuerung ü.der Lebensvertheuerung im Ganzen; 2, der Arbeitslohnerhöhung. (Zeitschr. Schweiz. Stat. 14. Jahrg. 1878. pp. 166-169.)

Statistik (Zur) der Preise ü. Löhne im Kanton Bern. Dez. 1887-Dez. 1888. (Zeitschr. Schweiz. Stat. 25. Jahrg. 1889. pp. 523-557.)

# United States.

Savary (Robert). Les salaires et les prix en France et aux États-Unis au cours du dernier demisiècle. (Annales des sci. polit. v. 16, pp. 487-497. *Paris*, 1901.)

Weeks (Jos. D.) Report on the statistics of wages in manufacturing industries; with supplementary reports of the average retail prices of necessaries of life, etc. Washington, 1886. 571, 117 pp. 4°. (U. S. 10. Census. v. 20.)

Wright (Carroll D.) Cheaper living and the rise of wages. (Forum. v 16, pp. 221-228. New York, 1893. 8°.)

Wholesale prices and the cost of living. (The Commercial and Financial Chronicle. v. 57, pp. 1065-1067; v. 58, pp. 159-161. New York, 1893-94. F°.)

# --- Connecticut.

Regulation of prices and wages [in Connecticut, in the 17th century]. (Conn. Labor Stats. Bur. 3. ann. rpt., 1887, pp. 71-94.)

Comparative wages and cost of necessaries of life. 1860 and 1887. (Conn. Labor Stats. Bur. 4. ann. rpt., 1888, pp. 87-95.)

Receipts and expenses of wage earners. (Conn. Labor Stats. Bur. 4. ann. rpt., 1888, pp. 97-135.)

#### - Illinois.

Statistics of wages, rents, and the cost of living. (Ill. Labor Stats. Bur. 2. bienn. rpt., 1882, pp. 287-365.)

Work, wages, and profits in the manufacturing industries of Illinois. (Ill. Labor Stats. Bur. 3. bienn. rpt., 1884, pp. 1-52.)

Earnings and expenses, and condition of families. (Ill. Labor Stats. Bur. 3. bienn. rpt., 1884, pp. 163-302, 357-414.)
With tables of cost of living.

#### - Iowa.

Cost of living. (Iowa. Labor Stats., Bur. of. I. bienn. rpt., 1884/85, pp. 287-295.)
With tables of prices of food, etc.

Tables of wages, cost of living, etc. (Iowa. Labor Stats., Bur. of. I. bienn. rpt., 1884/85, pp. 296-346.)
Includes comparative table of wages in Europe and U. S.

Wages, cost of living, etc., of wage-workers. (Iowa. Labor Stats. Bur. 3. bienn. rpt., 1888/89, pp. 5-200.)

—— Same. (2. rpt., 1886/87, pp. 5-231.)

Wage-carner's statistics. (Iowa. Labor Stats. Bur. 9. bienn. rpt., 1899/1900, pp. 113-137.)

#### - Kansas.

Wage tables and cost of living. (Kansas. Labor and Indus. Stats., Bur. of. 1. ann. rpt., 1886, pp. 143-232.)

143-232.) With tables of wages and food, 1875, '80, '82, '84 and '85.

Wage-workers—their earnings and expenses. (Kansas. Labor and Indus. Stats., Bur. of. 2. ann. rpt., 1887, pp. 219-373.)

With tables of wages, and cost of living.

Wage-workers—their earnings and expenses. (Kansas. Labor and Indus. Stats., Bur. of. 3. ann. rpt., 1888, pp. 75-209.)

Wage-workers. (Kansas. Labor and Indus. Stats., Bur. of. 4. ann. rpt., 1889, pp. 169-265.)

Wage-earners. (Kansas. Labor and Indus. Stats., Bur. of. 13. ann. rpt., 1897, pp. 219-370.) With tables of wages and cost of living.

Wage-earners' statistics. (Kansas, Labor and Indus. Statis. Bur. 14. ann. rpt., 1898, pp. 96-165.)

With tables of wages and cost of living.

—— (Kansas. Labor and Indus. Bur. 15. ann. rpt., 1899, pp. 1-359.)

With tables of wages and cost of living.

#### \_\_\_ Maine

Under the head, "Workingmen's Returns," the Maine Bureau of Labor prints a table in its annual report showing salaries, expenses and savings of workingmen.

#### — Massachusetts.

Wright (C. D.) History of wages and prices in Massachusetts: 1752-1883. Including comparative wages and prices in Massachusetts and Great Britain: 1860-83. [Being pts. III. and IV. of the 16. annual report of the Mass. Bureau of statistics of labor.] Boston: Wright & Potter Print. Co., 1885. 313, 57 pp. 8°.

**Wages**, prices, and profits, 1860, '72, '78, and '81. (Mass. Labor Stats. Bur. 13. ann. rpt., 1882, pp. 417-459.)

Comparative prices and cost of living: 1860–1883. Massachusetts and Great Britain. (Mass. Labor Stats. Bur. 15. ann. rpt., 1884, pp. 435–469.)

**Wright** (C. D.) Comparative wages and prices, 1860–1883. Massachusetts and Great Britain. *Boston*, 1885. 57 pp.

Comparative wages and prices. 1860-1897. (Mass. Labor Stats. Bur. 28. ann. rpt., 1898, pp. 1-41.)

- Same. Separate.

Comparative wages for 1861 and 1869. (Mass. Labor Stats. Bur. 1. ann. rpt., 1870, p. 410.)

Cost of living. (Mass. Labor Stats. Bur. Ann. rpt., 1871, pp. 423-440.)

Cost of living, wages, etc. (Mass. Labor Stats. Bur. 3. ann. rpt., 1872, pp. 251-257.)

Purchasing power of wages. (Mass. Labor Stats. Bur. 3. ann. rpt., 1872, pp. 468-538.)

With tables, giving prices of necessary articles, 1780–1864, and of wages, 1871 (?).

Daily wages and actual earnings. (Mass. Labor Stats. Bur. 4. ann. rpt., 1873, pp. 71-108.)
Cost of living. (Mass. Labor Stats. Bur. 4. ann.

rpt., 1873, pp. 109-128.)

Living Expenses, United States, cont'd.

Comparative rates of wages and hours of labor in Massachusetts and foreign countries. (Mass. Labor Stats. Bur. 5. ann. rpt., 1874, pp. 49-108.)

Prices of provisions, etc., in Massachusetts and Europe. Purchase-power of money. (Mass. Labor Stats. Bur. 5. ann. rpt., 1874, pp. 161-200.)

Comparative table showing cost of groceries, etc., in 1861 and 1873. (Mass. Labor Stats. Bur. 5. ann. rpt., 1874, pp. 258-259.)

Cost of living. (Mass. Labor Stats. Bur. 5. ann. rpt., 1874, pp. 260-261.)

Table showing cost in Mass., and 40 foreign cities.

Wages, prices, and profits. (13. ann. rpt. Mass. Bureau Stats. of Labor, 1882. pp. 417-459.)

**Time** and wages. (Mass. Labor Stats. Bur. 14. ann. rpt., 1883, pp. 179-241.)

Comparative wages. 1883. Massachusetts and Great Britain. (Mass. Labor Stats. Bur. 15. ann. rpt., 1884, pp. 135-315.)

Wright (Carroll D.) Comparative wages, prices, and cost of living. Boston: Wright & Potter Prtg. Co., 1889. viii, 255 pp. 8°. (Mass. Labor Stats. Bur.)

From the 16. Annual Report, 1885.

# - Michigan.

Wages and labor in Detroit in 1750. (Michigan. Lab. and Indus. Stats. Bur. 10. ann. rpt., 1893, pp. 1183-1186.)

Cost of living, from statistics recorded in home account books, for one year. (Michigan. Lab. and Indus. Stats. Bur. 10. ann. rpt., 1893, pp. 1023-1126.)

# - Missouri.

**Table** showing cost of living of workingmen. (Missouri. Labor Stats. Bur. 12. ann. rpt., 1890, pp. 395-413.)

#### ---- Montana,

Analysis of wage-earners' individual reports. (Montana. Agric., Labor, and Indus., Bur. of. 2. rpt., pp. 32-65.)

With tables of average wages and cost of living.

Cost of living. (Montana. Agric., Lab., and Indus., Bur. of. 7. rpt., 1900, pp. 361-372.)

With tables of average prices for wheat, rye, etc., and food, etc.

# - New Hampshire.

**Retail** and wholesale prices of food and fuel, in June and Dec., 1895. (New Hampshire. Labor Bur. 1. bienn. rpt., 1896, pp. 187-317.)

# - New Jersey.

Earnings (The) of wage-workers. (N. J. Labor and Industries Stats. Bur. 5. ann. rpt., 1882, pp. 1-75.)

With tables of wages received in New Jersey, farm laborers in U. S., comparative wages in U. S. and other countries, and cost of living in various localities, 1881-82.

Cost (The) of living [in New Jersey]. (N. J. Labor and Indus. Stats. Bur. 8. ann. rpt., 1885, pp. 141-183.)

Earnings, cost of living, and prices. (N. J. Labor and Indus. Stats. Bur. 9. ann. rpt., 1886, pp. 1-177.)

Cost of living in New Jersey. (N. J. Labor and Indus. Stats. Bur. 22., 23. ann. rpts., 1899, 1900, pp. 207-219, 165-177.)

With tables of retail prices of supplies, June, 1899-1900.

# - New York.

Rates of wages [for 1890 and 1891]. (New York. Labor Stats. Bur. 9. ann. rpt., 1891, pt. 1, pp. 19-579.)

**Tables** showing increases and decreases of wages and amount of production, 1891 over 1890. (New York. Labor Stats. Bur. 9. ann. rpt., 1891, pt. 1, pp. 9-13.)

Cost of living. (New York. Labor Stats. Bur. 10. ann. rpt., 1892, pt. 1, pp. 249-335.)

With tables of wholesale prices of provisions in New York market, Jan., 1880-92; wheat flour, 1870-90; annual average export prices, 1866-92; prices of cotton, wool, etc.

**Agricultural** conditions in New York state, (New York. Labor Stats. Bur. 15. ann. rpt., 1897, pp. 603-709.)

With tables of wages, and prices of wheat, barley, etc., in 1894 to 1896.

# - Wisconsin,

Purchasing (The) power of a day's wages. (Wisconsin. Labor and Indus. Stats. Bur. 4. bienn. rpt., 1888/89, pp. 167-176.)

With table showing purchasing power, in quantities of wheaten bread and other food, of wages for ten hours' labor of skilled blacksmiths in some European countries and in Wisconsin.

#### LUMBER.

Listoe (S.) Prices of American lumber at Rotterdam, 1899. (U. S. Cons. Rpts. v. 60, pp. 96-97. Washington, 1899. 8°.)

— American lumber in Rotterdam, 1900. (U. S. Cons. Rpts. v. 63, pp. 173-174. Washington, 1900. 8°.)
Gives prices.

#### MATCHES.

**Pagés** (J. G.) Matches in Mexico [1899?] (U. S. Cons. Rpts. v. 61, pp. 565-566. Washington, 1899. 8°.)

With table of prices.

#### MEAT.

#### Belgium.

**Preis** des Fleisches im Belgien, 1859 und 1861, (Zeitschrift des königl. Preussischen statistichen Bureaus. 8. Jahrg. 1868, p. 178. *Berlin*, 1868. F°.)

#### France.

Mangin (Arthur). La question du prix de la viande. (L'Économiste français. 8. année, vol. 2, 1880, pp. 223-26. *Paris*, 1880. F°.)

**Prix** (La) de la viande à Paris et en province. (L'Économiste français. 12. année, vol. 1, pp. 612-613. *Paris*, 1884. F°.)

**Trail** (C. B.) American pork in France, 1891. (U. S. Cons. Rpts. v. 38, pp. 265-267. *Washington*, 1891. 8.)

With table showing retail prices of butchers' meat in Marseilles, 1890.

#### Germany.

Monaghan (J. C.) Meat prices in Germany, 1889. (U. S. Cons. Rpts. v. 31, pp. 282-283. Washington, 1889. 8°.)

With table of prices for Karlsruhe.

Meat, Germany, cont'd.

Raffalovich (A.) Le renchérissement de la viande en Allemagne. (L'Économiste français. 18. année, vol. 2, pp. 330-31. *Paris*, 1890. F°.)

**Karel** (J.) The Russian hog trade with Germany, 1896. (U. S. Cons. Rpts. v. 53, pp. 351-352. *Washington*, 1896. 8°.)

With table of prices, July 1 and Nov. 12, 1896.

Martin (R.) Fleischconsum und Fleischpreise, (Annalen des Deutschen Reichs für Gesetzgebung, Verwaltung und Statistik. 1896, pp. 574-76. München, 1896. 8°.)

Vieh- und Fleischpreise in 10 deutschen Städten für die 5 Jahre 1896 bis 1900. (Vierteljahrshefte zur Statist. d. deut. Reichs. Jahrg. 10 (1901), Heft. 3, p. 33. Berlin, 1901.)

#### - Berlin.

**Hirschberg** (E.) Die Fleischpreise in Berlin. (Jahrbücher für Nationökonomie und Statistik. 2. F., 20. Bd., pp. 289-95. *Jena*, 1890. 8°.)

Halle (Lery von). Die Berliner Fleischpreise im letzten Jahrzehnt und die Reform des Vieh- und Fleischhandels. (Jahrbuch für Gesetzgebung, Verwaltung und Volkswirtschaft. v. 16, pp. 689-730. Leipzig, 1892. 8°.)

# - Breslau.

Gothein (G.) Vieh- und Fleisch-Preise in Breslau. (Nation. 16. Jahrg., no. 11. Berlin, 1898. 8°.)

# — Prussia.

Bewegung (Die) der Fleischpreise in Preussen, 1874–1879. (Zeitschrift des Königl. Preussischen Statistischen Bureaus. 19. Jahrg. 1879, St. K. xx. Berlin, 1879. F°.)

# Great Britain.

See also the Annual Agricultural Returns of Great Britain. [Report from the select committee, Great Britain, on the high price of provisions, and on forestalling cattle. Practices of jobbers. Comparative prices of meat.] May, 1766. (H. of C. Journals. v. 30, pp. 787-788.)

[Report from the select committee, Great Britain, on the petition of the butchers respecting the practice of jobbing and forestalling cattle. Effects of jobbing on the price of cattle. Transactions between the grazier, jobber and salesman.] April, 1796. (H. of C. Journals. v. 51, pp. 636-640.)

**Provisions.** An account of the contract prices of meat per pound, and of bread per four-pound loaf, in England, Scotland and Wales, 1819-1829:—as far as relates to the Commissariat Department. [London, 1830.] 36 pp. F°. (Great Britain. Parl. Papers. Sess. 1830 (192), v. 18.)

Report from the select committee [Great Britain] on preserved meats (navy); together with the minutes of evidence, appendix and index. [Evidence in relation to the prices of preserved meats. Average prices of beef and pork in Newgate and Leadenhall Markets, 1845–1851. Contract prices for mutton, beef and pork for Greenwich Hospital, 1845–1852.] [London, 1852.] xxii, 495 pp. F°. (Great Britain. Parl. Papers. Sess. 1852 (303), v. 15.)

**Preserved** meats (navy) [Great Britain]. Returns of ... contracts ... and the contract prices of

beef and pork for the years 1848-1851. [London, 1852.] 6 pp. F°. (Great Britain, Parl. Papers. Sess. 1852 (59), v. 30.)

**Return** of the number of live cattle, etc., in each of the divisions of the United Kingdom, from 1866-77. *London*, 1878. 10 pp. F°. (Parlt. Papers. 1878, v. 68.)

Tables of average prices of meat imported, 1854-77; and of butchers' meat at metropolitan market, 1858-77.

Returns showing the quantity and value of fresh and preserved meat imported into the United Kingdom in each month of 1876, and of first six months of 1877. (Great Britain. Parlt. Papers. 1877, v. 76.)

Tables of average prices in New York, Philadelphia, Montreal, Copenhagen, Hamburg and Amsterdam.

#### Switzerland.

**Zuppinger** (C.) Der Konsum und die Preise des Fleisches im Kanton St. Gallen, 1896. (Zeitschrift für Schweizerische Statistik. 34. Jahrg. 1898, pp. 335-401. *Bern*, 1898. F°.)

Tables also compare various dates: 1885, 1890, 1895, etc.

### United States.

Monthly average prices of beef in the New York and Chicago market, 1884-1889. (U. S. Statistical Abstract. Washington, 1889.)

Continued each year thereafter.

# METAL AND MINERAL PRODUCTS. See also COAL above.

#### Australasia.

**Wallace** (G. H.) Tin and tin ores in Austrassia, 1893. (U. S. Cons. Rpts. v. 43, pp. 340-349. *Washington*, 1893. 8°.)

With table of annual average price of pig tin in Melbourne from 1876 to 1892.

# France.

Leroy-Beaulieu (Paul). Les fluctuations du prix du charbon, du fer, du cuivre, de l'étain, du plomb et du zinc de 1870 à 1889. (L'Économiste français. 19. année, vol. 1, pp. 1-4. Paris, 1891. F°.)

**Payen** (Edouard). La production et le prix des métaux depuis cent ans et particulièrement dans les dernières années. (L'Économiste français. 25. année, vol. 1, pp. 809-11, 853-55. *Paris*, 1897. F°.)

— La production et le prix des metaux dans les dernières années. (L'Économiste français. 27. année, vol. 2, pp. 163-65, 202-204. *Paris*, 1899. F°.)

Michel (Georges). L'industrie metállurgique en 1898, la production et les prix. (L'Économiste français. 27. année, vol. 2. pp. 679-81. *Paris*, 1899. F°.)

Payen (Edouard). La production et le prix des métaux durant les dix dernières années. (L'Écon. français. année 28, v. 2, pp. 429-431; 465-467. Paris, 1900. F°.)

#### Germany.

Edwards (W. H.) Iron and coal trade of Germany, 1891. (U. S. Cons. Rpts. v. 37, pp. 215-223. Washington, 1891. 8°.)

With tables of iron prices in Feb., Apr. and Sept., 1890.

Metals, etc., Germany, cont d.

Wamer (W. D.) Iron and steel industry of Germany, 1886. (U. S. Cons. Rpts. v. 21, pp. 70-74. Washington, 1886 8°.) With table of average prices of iron for 1878-85.

#### Great Britain.

Vivian Younger and Bond. Vivian Younger and Bond's metal price current. Prices of the undermentioned metals in London on the 1st day of each month during the last twenty years, 1866-1884. n. t. p. [London: The Company, 1884?] Broadside. 31 x 44.

Roheisen-Preise in England in den einzelnen Monaten der 12 Jahre 1885 bis 1896. (Vierteljahrshefte zur Statistik des Deutschen Reichs. Jahrg. 1898, Heft 4, p. 112. Berlin, 1898. F°.)

Diagrams of three months' fluctuations in prices of metals. [Specially compiled from official reports of London metal and Scotch pig-iron warrant markets.] (Engineering. v. 50, Nov. 1890-date. London, 1890-date.)

Published every month.

#### Russia.

Karel (J.) Prices of iron in Russia, 1896. (U. S. Cons. Rpts. v. 53, pp. 346-347. Washington, 1896. 8°.)

United States.

Fluctuations in the prices of metals since 1890. (With supplement.) (Iron Age. v. 69, pp. 14-15. New York, 1902.)

Ingalls (Walter Renton). A consideration of the copper situation from a statistical standpoint. (Engineering and Mining Jour. v. 73, pp. 273-275. New York, 1902.)

#### PAPER MANUFACTURE.

Table showing the wholesale prices of articles connected with the manufacture of paper, before and during the war, in New York and Philadelphia. With bills and certificates showing that these prices were actually paid. Philadelphia: Collins, 1865. 8 pp. 8°.

PEANUTS.

Sommer (H. J.), jr. Peanuts and peanut oil, 1894. (U. S. Cons. Rpts. v. 45, pp. 378-389. Washington, 1894. 8°.)
With table of prices at Marseilles during 1893.

# PETROLEUM.

Bissenger (E.) Russian petroleum in Beirut, 1886. (U. S. Cons. Rpts. v. 19, pp. 161-167.

Washington, 1886. 8°.)
With tables of value of American petroleum for 1880 to 1885; average price of the different kinds of American petroleum, Feb. 15, 1886. Prices and production of Russian oil are given in teach. in text.

Chambers (J. C.) Russian petroleum trade, 1890. (U. S. Cons. Rpts. v. 33, pp. 80-107. Washington, 1800. 8°.)

With cost of refined oil at Batoum.

#### POTATOES.

Kartoffelpreise in den einzelnen Monaten des Jahres 1881, zu Breslau, Hannover u. Mülhausen. (Zeitschr. Preuss. Stat. 23. Jahrg., p. 125. Berlin, 1883. F°.)

POTTERY.

Warner (W. C.) The pottery industry of Tun-

stall, 1894. (U. S. Cons. Rpts. v. 44, pp. 635-655. Washington, 1894. 8°.)

With tables, potters' working price list, and prices of food stuffs.

#### SALT.

Preis, Consum ŭ. Reinertrag des Salzes in den Kantonen, 1869. (Zeitschrift für Schweizerische Statistik. 6. Jahrg. 1870, pp. 125-127. Bern, 1870. F.)

#### SATIN.

Hansmann (C. A.) Manufacture of piece-dyed satins at Lyons, 1890. (U. S. Cons. Rpts. v. 35, pp. 460-470. Washington, 1890. 8°.)

With tables of invoice prices, and experts' estimates of cost.

Peixotto (Benj. F.) Comparative table of the prices of silk (in francs) on the 31st of December for fifteen years, (from 1867 to 1881) at Lyons, France. (U. S. Cons. Rpt. no. 16, p. 278. Washington, 1881. 8°.)

- Prices of silk at Lyons, 1885. (U. S. Cons. Rpts. v. 17, pp. 33-34. Washington, 1885. 8°.) Contains table of prices of silk during 18 years, from 1867 to

**Bourn** (A. O.) Silk crop of Italy for 1889, 1890. (U. S. Cons. Rpts. v. 33, pp. 269-274. Washington, 1890. 8°.)

With tables of average prices of cocoons, from June 2 to July 20, 1889, and totals for years 1886 to 1889.

#### SUGAR.

Lloyd (John C.) Fluctuations in gold, fair to good refining and white "A" sugar from 1861 to 1868, also stock of raw sugars at the port of New York on the first day of each month. [New York, 1869.] Broadside. 291/4 x 221/4 in.

Hirning (W). Beet-root sugar in Bohemia, 1886. (U. S. Cons. Rpts. v. 19, pp. 34-38. Washington, 1886. 8°.)

With table of average price of metrical centner of sugar in Austrian currency and London rate of exchange, from 1876 to

**Diederich** (H. W.) Germany's beet-sugar in dustry from 1877 to 1899. (U. S. Cons. Rpts. v. 60, pp. 471-474. Washington, 1899. 8°.)

With tables of prices for beets and sugar.

Opp (F.) Beet-sugar production in Germany, 1895. (U. S. Cons. Rpts. v. 51, pp. 192-195. Washington, 1895. 8°.)

With table of average price for sugar, 1886/87-1893/94.

United States .- Foreign Commerce Bureau. Production of starch-sugar from rice, 1896. (Cons. Rpts. v. 52, pp. 505-559. Washington, 1896. 8°.) With tables of prices of clean rice in Trieste, raw and polished in Hamburg, 1885-92; Rotterdam, 1886-96; Glasgow, 1882-96; London, 1886-95, and Wuhu, 1886-95.

#### SULPHUR.

Brühl (L. H.) The sulphur industry of Sicily, 1805. (U. S. Cons. Rpts. v. 50, pp. 325-328. Washington, 1895. 8°.)

With table of average prices, 1870-95.

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Fee (W. T.) Tea in India, 1900. (U. S. Cons. Rpts. v. 64, pp. 490-494. Washington, 1900. 8°.) With table of prices for 1888-99, for Broken Pekoe, Pekoe, and Pekoe Souchong.

#### TEXTILES.

See also Cotton, Silk, Wool, Satin, etc.

Lawrence (H. D.) Woolen and cotton mills in Canada, April, 1882. (U. S. Cons. Rpt. no. 23, pp. 395-398. Washington, 1882. 8°.)

Tables of average rate of wages, and of food staples.

Schoenle (W.) Cotton and woolen industries of Germany, May, 1882. (U. S. Cons. Rpt. no. 23, pp. 175-186. Washington, 1882. 8°.)

Tables of average rate of wages, and average food prices in Barmen during 1881 and 1882.

Eckstein (D.) Cotton and woolen industries of Holland, July, 1882. (U. S. Cons. Rpt. no. 23, pp. 318-323. Washington, 1882. 8°.)
Table of prices of food staples.

United States .- Foreign Commerce Bureau. Sheep and wool in Asia [1890?]. (Cons. Rpts. v. 35, pp. 566-599. Washington, 1890. 8°.)
With table of prices of wool in England, 1818-1887.

Michel (Georges). Les industries textiles en 1891 et la baisse des matières premières. (L'Économiste français. 21. année, vol. 1, pp. 5-6. Paris, 1893. F°.)

Payen (Edouard). La laine, la hausse récente de ses prix. (L'Économiste français. 27. année, vol. 2, pp. 342-44. Paris, 1899. F°.)

McFarland (S. C.) Wools, yarns and hosiery in the English market, 1900. (U. S. Cons. Rpts. v. 62, pp. 456-461. Washington, 1900. 8°.)

With tables of prices: cotton at Liverpool, and wools at London, in Jan. and Dec., 1899, and hosiery yarns for same dates.

# Товассо.

Anpfiansung, Ertrag und Preis des Tabaks in den Staaten des Zollvereins pro 1861 bis 1866. (Jahrbücher für Nationalökonomie und Statistik. v. 9, p. 363. Jena, 1867. 8°.)

**Pratt** (E. S.) Sumatra tobacco, 1895. (U. S. Cons. Rpts. v. 50, pp. 294-297. Washington, 1895. 8°.) 1805. 8°.)
With table of average price, 1870-93.

Downes (E.) Tobacco in the Netherlands, 1896. (U. S. Cons. Rpts. v. 53, pp. 542-547. Washington, 1896. 8°.)

With tables of prices of Sumatra and Borneo crops of 1895, and Sumatra crops, 1864-95.

# WINES.

Weinpreise im Kanton Zürich in den Jahren 1470-1870, nach Waser ü. Müller. (Zeitschrift für Schweizerische Statistik. 14. Jahrg., 1878, pp. 174-176. Bern, 1878. F°.)

O'Hara (T.) Duty on wines and liquors in Nicaragua, 1896. (U. S. Cons. Rpts. v. 53, pp. 447-452. Washington, 1896. 8°.)

With table of prices at San Juan del Norte.

United States .- Foreign Commerce Bureau. Wine in South America, 1898. (Cons. Rpts. v. 56, pp. 459-468. Washington, 1896. 8°.)

With tables of prices in Para, Valparaiso, and Iquique.

#### Woot.

**Prices** of alpaca and mohair, from 1856 [to 1893]. (Ford (W. C.), Wool and manufactures of wool. *Washington*, 1894. p. 577. 8°.)

Comparative tables of import prices of wool per pound in the United Kingdom and the United States. (Ford (W. C.), Wool and manufactures of wool. Washington, 1894. p. 24. 8°.)

Meeker (C.) Revival of the mohair trade, 1895. (U. S. Cons. Rpts. v. 49. pp. 366-370. Washington, 1895. 8°.)

With table of prices for 1872-95.

Schoenhof (J.) Production and prices of wool, 1886. (U. S. Cons. Rpts. v. 19, pp. 133-135. Washington, 1886. 8°.)

With table of prices of leading descriptions of wool of Australian, Cape, River Plate, and English growth, as they stood Dec. 31, 1860, to 1885.

#### Argentine Republic.

Buchanan (W. I.) Wool in the Argentine Republic, 1897. (U. S. Cons. Rpts. v. 55, pp. 411-419. Washington, 1897. 8°.)

With tables of prices of fine wool, 1866-97, of "cross Lincoln" wool, 1890-97, and of "Criollo," or Cordoba wool, 1887-

## Australasia.

Spencer (O.M.) Woolen industries of Victoria, Australia, July, 1882. (U. S. Cons. Rpt. no. 24, pp. 438-450. Washington, 1882. 8°.)

Tables of retail prices of food staples.

Griffin (G. W.) The Australasian wool season of 1889-90. 1890. (U.S.Cons. Rpts. v. 33, pp. 242-254. Washington, 1890. 8°.)

With table showing price each year, 1872 to 1889.

# Belgium.

Price of imported and exported wools in the Belgian markets, 1885-1891. (Ford (W. C.), Wool and manufactures of wool. Washington, 1894. p. 511. 8°.)

#### France.

Prices of wool in France, 1861-1891. (Ford (W. C.), Wool and manufactures of wool. Washington, 1894. p. 516. 8°.)

Frisbie (John L.) Woolen industry of Rheims, April, 1882. (U. S. Cons. Rpt. no. 23, pp. 147-160. Washington, 1882. 8°.)

Tables of wages, and average food prices.

Fluctuation of prices of River Plate and Australian combed wools in the French market, 1891-1892. (Ford (W. C.), Wool and manufactures of wool. Washington, 1894. p. 515. 8°.)

#### Germany.

[Preise der wolle,] 1823. (Württemb. Jahrb., 1824.)

Continued each year thereafter until 1872.

## Great Britain.

Prices of Lincoln wool, half hog, from 1812 [to 1880]. (Ford (W. C.), Wool and manufactures of wool. Washington, 1894. p. 577. 8°.)

[Prices of Southdown and Kent long wool, 1818-1845.] (In: Revenue, etc. Return relating to vessels and tonnage . . . [1846]. p. 7. Great Britain. Parl. Papers. Sess. 1846 (109), v. 44.)

Great Britain.—Seeds and wool committee. First, Second [and] Third report from the Select Committee [Gt. Britain] on Seeds and Wool, etc. . . . with the minutes of evidence . . . [Prices of English, Scotch and Irish wools.] [London, 1816.] 102 pp. F°. (Parl. Papers. Sess. 1816 (272), v. 6.)

z. rpt, only contains information on wool.

Wool trade committee. Report from the select committee of the House of Lords [Gt. Britain], appointed to take into consideration the state Wool, Great Britain, cont'd.

of the British wool trade . . . with the minutes of evidence . . . an appendix and index . . . [Depression in the prices of wool and its causes. Prices of sheep, wool and cloth, 1700-1828.] [London, 1828.] viii, 401 pp. F°. (Parl. Papers. Sess. 1828 (515),

— Hand-loom weavers' committee. Report from the Select Committee [Gt. Britain] on Hand-Loom Weavers' Petitions; with the minutes of evidence, and index. [Distress occasioned by the corn laws. Causes of the fall in prices. Low prices reduce wages. Prices of goods. Rates of wages.] [London, 1834.] iv, 635, ii, 75 pp. F°. (Parl. Papers. Sess. 1834 (556), v. 10.)

the minutes of evidence, and index. [Reduction of prices precedes reduction of wages. Plans for regulating wages and prices. Rate of wages of handloom weavers, of cambric weavers. Corn laws.] [London, 1835.] xxii, 320 pp. (Parl. Papers. Sess.

1835 (341), v. 13.)

Analysis of the evidence taken before the Select Committee [Gt. Britain] on Hand-Loom Weavers' Petitions; 1834-1835. [Reduction of wages. A minimum rate of wages to be established. Prices of weaving, June, 1808. Corn laws.] [London, 1835.] iii, 92 pp. F°. (Parl. Papers. Sess. 1835 (492), v. 13.)

Prices of wools in London market, Jan., 1890-Dec., 1892; and prices of raw wools in London market on Dec. 31, 1886-95. (U. S. Monthly Summary, etc. Ser. 1895/6, p. 910. Washington, 1896.

4°.)
Meeker (C.) The British wool trade, 1894. (U. S. Cons. Rpts. v. 46, pp. 209-211. Washington, 1894. 8°.)

With comparative table of prices on Mch. 27, 1893, and Aug. 3, 1894, and prices for "Down" fleeces, 1784-1894.

Sawter (G.) Wool prices in London, 1899. (U. S. Cons. Rpts. v. 62, pp. 86-87. Washington, 1899. 8°.)

With table of prices in Dec., 1898, and Sept., 1899.

#### Poland.

Rawicz (I.) Trade and industries of Poland.

1891. (U. S. Cons. Rpts. v. 38, pp. 343-363. Washington, 1891. 8°.)

With table of prices for sheep's wool during the fair at Warsaw, June, 1888 and 1880.

#### United States.

Prices of wool in the markets of New York (1824-87) and Philadelphia (1865-87). (Wool and manufactures of wool. U. S. Treas. Dpt. Spec. Rpt. Washington, 1888. pp. 109-118. 8°.)

of wool in the New York market, 1824-1890. (U. S. Statistical Abstract. Washington. 188g. 4°.)

Continued each year thereafter.

Price in the foreign markets of imported wools entered for consumption in the United States from July 1, 1866, to June 30, 1893. (Ford (W. C.), Wool and manufactures of wool. Washington, 1894. p. 51. 8°.)

Statement showing the price, or cost, in the foreign markets of imported wools entered for consumption in the United States, 1867-1887. (Wool and manufacturers of wool. U. S. Treas. Dpt. Spec. Rpt. Washington, 1888. p. 231. 8°.)

- showing prices of different kinds of wool at Boston for each month from January, 1882, to December, 1886, inclusive. (Wool and manufactures of wool. U. S. Treas. Dpt. Spec. Rpt. Washington, 1888. pp. 228-230. 8°.)

Table of prices of Montana wool in Boston, 1889-93. (Montana. Agric., Lab. and Indus., Bur. of. 1. ann. rpt., 1893. p. 279.)

Philadelphia wool quotations, 1890-96. (U. S. Monthly Summary, etc. Ser. 1895/6, pp. 901-906. Washington, 1896. 4°.)

Prices of wool in the Philadelphia market, 1892-96. [Washington, 1896.] 7 pp. 4°. (U. S. Statistics Bureau.)

- paid at points stated for wool during 1896. (Montana. Agric., Lab. and Indus., Bur. of. 4. rpt., 1896, pp. 86-87.)

Sheep and wool. (Montana. Agric., Lab. and Indus., Bur. of. 5. rpt., 1897, pp. 112-123.)

With tables of prices of Montana wools.

# PRINCIPAL ACCESSIONS IN MARCH.

#### GENERAL WORKS.

Brockhaus' Konversations-Lexikon. Bd. 6. Berlin, 1902. 14, ed. 4°.

Salmonsens store illustrerede Konversationsleksikon. Bd. 12. Kjöbenhavn, 1901. 4".

# BIOGRAPHY-GENEALOGY.

#### General.

Nash (E. T.) Fifty Puritan ancestors. New Haven, 1902. 4°.

National (The) cyclopædia of American biography. v. II. New York, 1901. 4°.

# Alphabetical, by subjects.

**Bostwick** (H. A.) Genealogy of the Bostwick family in America. *New York*, 1901. 8°.

**Booth** (B.) On the banks of the river; being a brief history of the last days of Mrs. General Booth. *London*, 1900. 2. ed. 12°. Gift of the Salvation Army.

**Brown** (W. G.) Stephen Arnold Douglas. Boston, 1902. 16°.

Jenks (E.) Edward Plantagenet (Edward I.). New York, 1902. 12°. (Heroes of the nations.)

Waliszewski (K.) La dernière des Romanov, Élisabeth 1re de Russie. Paris, 1902. 8°.

Goethe (J. W. von). Goethe-Briefe. Bd. 1. Berlin, 1902. 8°.

Grant (Mrs. A. McV.) Memoirs of an American lady. With scenes in America previous to the Revolution. New York, 1901. 2 v. 8°. Gift of Mrs. A. P. Pruyn.

Clodd (E.) Thomas Henry Huxley. Edinburgh, 1902. 12°.

(Modern English writers.)

Mead (S. P.) History and genealogy of the Mead family. New York, 1901. 4°.

Lavy (A.) L'œuvre de Millerand. Un ministre socialiste (Juin, 1899-Janvier, 1902). Paris, 1902.

12°. Watson (T. E.) Napoleon. New York, 1902. 8°.

**Reiset** (M. A. de), *vicomte*. Souvenirs. *Paris*, 1899-1900. 2 v. 8°.

Hensman (H.) Cecil Rhodes. Edinburgh, 1901. 8°.

**Lee-Warner** (E.) The life of John Warner, bishop of Rochester, 1637-1666. *London*, 1901. sq. 4°.

Gower (Lord R. S.) Sir David Wilkie. London, 1902. 8°. (Great masters in painting and sculpture.)

North and South America: Travel, Description, and History.

**Bollo** (L. C.) Geografía de la República Oriental del Uruguay. *Montevideo*, 1901. 7. ed. 12°.

Burgess (J. W.) Reconstruction and the constitution, 1866-1876. New York, 1902. 12°.
(The American history series.)

Crissey (T.W.) History of Norfolk, Litchfield County, Connecticut. Everett, Mass., 1900. 8°.

Fielde (A. M.) A political primer of New York city and state. New York, 1902. 16°.

Goodsell (D. A.) Nature and character at Granite Bay. New York, 1901. 8°.

Harris (C. W.) The sectional struggle. Philadelphia, 1902. 8°.

Lanier (L.) L'Amérique. Paris, 1901. 13. ed. 12°.

**Sapper** (K.) Mittelamerikanische Reisen und Studien aus den Jahren 1888 bis 1900. *Braunschweig*, 1902. 8°.

**Seler** (E.) Die alten Ansiedelungen von Chacula im Distrikte Nenton der Republik Guatemala. *Berlin*, 1901. f°.

**Thompson** (R. E.) The hand of God in American history. *New York* [cop. 1902]. 12°.

EUROPE: DESCRIPTION, HISTORY, ETC.

Bang (H.) Det hvide Hus. Köbenhavn, 1901. 16°.

**Bertha** (A. de). La Hongrie moderne de 1849 à 1901. *Paris*, 1901. 8°.

**Cheyney** (E. P.) An introduction to the industrial and social history of England. *New York*, 1901. 8°.

**Dodge** (W. P.) From squire to prince: being a history of the house of Cirksena. *London*, 1901. 8°. Gift of the author.

Evans (Rev. J.) A popular history of the ancient Britons. London, 1901. 8°.

Geschichte der æsterreichischen Land- und Forstwirtschaft und ihrer Industrien. Supplementband. Wien, 1901. 4°.

Glasson (E.) Le parlement de Paris. Paris, 1901. 2 v. 8°.

Hertslet (Sir E.) Recollections of the old Foreign Office. London, 1901. 8°.

**Hodgson** (F. C.) The early history of Venice, from the foundation to the conquest of Constantinople, A.D. 1204. *London*, 1901. 8°.

Issarte (A.) Des causes de la révolte des Camisards. *Montbéliard*, 1901. 8°.

(Université de Paris.—Faculté de Théologie Protestante.)

**Kovalevsky** (M.) Russian political institutions. *Chicago*, 1902.  $8^{\circ}$ .

Mörch (E.) Da Kristiania var smaaby. Kristiania, 1901. 12°.

Morfill (W. R.) A history of Russia. New York, 1902. 12°.

Müller (A.) Vore Slotte. Köbenhavn, 1901. 8°.

Stadt (Der). Riga Verwaltung und Haushalt in den Jahren 1878-1900. Riga, 1901. 4°.

**Thissen** (O.) Beitraege zur Geschichte des Handwerks in Preussen. *Tübingen*, 1901. 8°. (Beitraege zur Geschichte der Bevölkerung in Deutschland. Bd. 6.

Victoria (The) history of the counties of England. Surrey. v. 1. London, 1902. f°.

Wicks (F.) The British constitution and government. London, 1902. 6. ed. 12°.

Wissowa (G.) Religion und Kultus der Römer. München, 1902. 8°.

(Handbuch der klassischen Altertums-Wissenschaft.)

Africa, Asia, and the Pacific Islands: Travel, History, etc., etc.

Carcy (W.) Adventures in Tibet. New York, 1901. 8°.

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(Appletons' world series.) **Hommel** (F.) Der Gestirndienst der alten

Araber. München, 1901. 8°. Gift of J. H. Schiff.

Johns (Rev. C. H. W.) Assyrian deeds and documents. v. 3. Cambridge, 1901. 8°.

Kraemer (A.) Die Samoa-Inseln. v. 1. Stuttgart, 1902. f°.

Le Reux (H.) Ménélik et nous. Paris [1902?]

**Meakin** (B.) The Moors: a comprehensive description. *London*, 1902. 8°.

**Rivoyre** (D. de). Mascate. *Milano*, 1900. 8°. (Biblioteca illustrata dei viaggi intorno al mondo, n. 61.)

Walker (J. W. G.) Ocean to Ocean. Chicago, 1902. 8°.

# MUSIC AND ART.

Analecta hymnica medii ævi. v. 38. Leipsig, 1902. 8°.

**Kraus** (A.) Catalogo della collezione ethnografico-musicali Kraus in Firenze. *Firenze*, 1901. 8°.

Mireur (H.) Dictionnaire des ventes d'art. t. 1. Paris, 1901. 4°.

**Pineau** (L.) Les vieux chants populaires. Paris, 1901. 4°.

**Sommerville** (M.) Engraved gems. *Philadelphia*, 1901. 4°.

University (The) song book. London, 1901.

LITERATURE, AND LITERARY HISTORY.

Bagot (R.) Casting of nets. London, 1901. 8°.
Bang (H.) Det graa Hus. Köbenhavn, 1901. 16°.

— Det hvide Hus. Köbenharn, 1901. 16°. **Bergerat** (É.) La Pompadour. Comédie dramatique. *Paris*, 1901. 12°.

Bridges (R.) Bramble Brae. New York, 1902. 12°.

Browning (Mrs. E. B. [B.]) Love poems. London, 1902. nar. 16°. (The lover's library. [v. 6.]) **Bute** (3. marquess), J. P. C. Stuart. Essays on foreign subjects. Paisley, 1901. 8°.

Claudin (A.) Histoire de l'imprimerie en France. t. 2. Paris, 1901. f°.

Conrad (J.) Lord Jim: a romance. New York 1900. 12°.

Cottens (V. de), and Veber (P.) La dame du commissaire. Comédie. Paris, 1902. 12°.

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Fabre (É.) La vie publique. Comédie en quatre actes. *Paris*, 1902. 12°.

General. London, 1902. 8°. (British Empire series, v. 5.)

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**Hundert** Bücher ausgewählt von hundert Männern. *Leipsig*, 1901. 8°.

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Jörgensen (I. A.) Den danske Dagspresse, 1901. Köbenhaun, 1901. 8°.

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**Sardou** (V.), and **Gheusi** (P. B.) Les barbares: tragédie lyrique. *Paris*, 1901. 12°.

Spillane (D.) Minor chords. New York, 1902. 12°.
Gift of J. B. Spillane.

Tarkington (B.) The gentleman from Indiana. New York, 1900. 8°.

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Economics, Political Science, Law, Taxation, etc.

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**Dessaix** (P.) Montchrétien et l'économie politique nationale. *Paris*, 1901. 4°.

**Dunning** (W. A.) A history of political theories, ancient and mediæval. *New York*, 1902. 8°.

Franchi (L.) Codici e leggi del regno d'Italia. Reggi e convenzioni sui diritti d'autore. *Milano*, 1902. 2. ed. 16°. (Manuali Hoepli.)

Hill (F. T.) The care of estates. New York, 1901. 12°. Gift of the Author.

**Lévy** (R. G.), **Picot** (C.), and **Cailleux** (E.) Congrès des sciences politiques de 1900. Des tendances nouvelles de la législation fiscale en Europe. *Paris*, 1901. 4°.

Marion (M.) L'impôt sur le revenue au dixhuitième siècle principalement en Guyenne. *Tou*louse, 1901. 8°.

(Bibliothèque méridionale, sér. 2, tome 7.)

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# TRANSPORTATION AND COMMUNICATION.

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Schweigerherchenfeld (A. von), Freiherr. Das neue Buch von der Weltpost. Wien, 1901. 8°.

EDUCATION AND EDUCATIONAL INSTITU-TIONS, LIBRARIES, ETC.

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Cim (A.) Une bibliothèque. Paris, 1902. 8°. Copeland (C. T.), and Rideout (H. M.) Freshman English and theme-correcting in Harvard College. New York, 1901. 12°.

Hall (F. G.), Little (E. R.), and Eliot (H. W.) Harvard celebrities. Cambridge, 1901. 4°.

# JEWS.

**Duehring** (E) Die Judenfrage als Frage des Racencharakters. *Nowawes-Neuendorf*, 1901. 5. ed. 8°.

MATHEMATICS, ASTRONOMY, PHYSICS.

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**Scheffers** (G.) Anwendung der Differentialund Integralrechnung auf Geometrie. Bd. 2. *Leip*zig, 1902. 8°.

**Studnicks** (F. J.) Bericht über die astrologischen Studien des Reformators der beobachtenden Astronomie Tycho Brahe. *Prag*, 1901. 4°.

# NATURAL SCIENCE: GEOLOGY, BOTANY, ZOOLOGY.

Bailey (L. H.), and others. Cyclopedia of American herticulture. v. 4. New York, 1902. 4°.

Ingersoll (E.) Wild life of orchard and field. New York, 1902. 12°.

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Mächtig zur See. Zweibrücken i. Pfalz, 1901.

Proudfit collection.

Schaefer (E.) Geschichte der deutschen Kriegsmarine im neunzehnten Jahrhundert. Berün, 1901. 8°.

(Das deutsche Jahrhundert. Abth. vii.)

Watson (B. F.) Addresses, reviews and episodes, chiefly concerning the "Old Sixth" Massachusetts regiment. New York, 1901. 8°. Gift of the author.

**Weiland** (B.) Deutschland zur See. *Leipsig*, 1902. 2 pts. ob. 4°. Proudfit collection.

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(Sammlung Illustrierter Monographien. Bd. 6.)

**Newell** (F. H.) Irrigation in the United States. *New York*, 1902. 8°.

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Piassoli (E.) Installations d'éclairage électrique. Paris, 1902. 5. ed. 8°.

Row (T. S.) T. S. Row's geometric exercises in paper folding. Chicago, 1901. 8°.

Schaeffer (Mrs. J.) Metropolitan club cookbook, New York City. Minneapolis, Minn., 1901. 12°.

Seely (Mrs. L.) Mrs. Seely's cook book. New York, 1901. 8°.

**Thornley** (T.) Cotton combing machines. *London*, 1902. 8°.

**Triggs** (H. J.) Formal gardens in England and Scotland. pt. 1. *London*, 1902. f°.

Werder (L. O.) Types modernes pour dentelles. ser. 2. Plauen, 1901. f°.

#### THEOLOGY AND RELIGION.

**Bible.**—Old Testament. Apocrypha: Ecclesiasticus. Facsimiles of the fragments hitherto recovered of the Book of Ecclesiasticus. Oxford, 1901. 4°.

**Bible.**—Old Testament: Pentateuch. Samaratin-Arabic. Die samaritanisch-arabische Pentateuchübersetzung, Deuteronomium I-XI. Berlin, 1901. 8°.

Gift of J. H. Schiff.

**Booth** (W. B.) Bible battle-axes: a series of short studies for officers of the Salvation Army.

London, 1901. 12°.

Gift of Salvation Army.

**Booth** (W. B.) Servants of all. *London*, 1900. 3. ed. 12°.

Gift of the Salvation Army.

Luther (M.) M. Luther's Werke. Bd. 23. Weimar, 1901. 4°.

Monita secreta. Istruzioni segrete dei Gesuiti. Genova, 1902. 12°.

**Pischel** (R.), and **Geldner** (K. F.) Vedische Studien. Bd. 3. Stuttgart, 1901. 8°.

Wetzer und Welte's Kirchenlexicon. Bd. 12. Freiburg, 1901. 2. ed. 8°.

#### PHILOSOPHY.

**Bucke** (R. M.) Cosmic consciousness. *Philadelphia*, 1901. 4°.

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## PHILOLOGY.

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Farmer (J. S.), and Henley (W. E.) Slang and its analogues. vol. 5, pt. 2. London, 1901. 8°.

# FISHING—SHOOTING, ETC.

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Published monthly by The New York Public Library, No. 40 Lafayette Place, New York City
Subscription One Dollar a year, single numbers Ten Cents. Subscriptions may be sent to I. Ferris Lockwood, Business
Superintendent, No. 40 Lafayette Place, New York
Entered at the Post Office at New York, N. Y., as second-class matter, January 30, 1897, under Act of July 16, 1894.

Partly and.

# BULLETIN

OF THE

# NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

# Volume VI · Number 5 MAY 1902

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NEW YORK 1902

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ASTOR LENOX AND TILDEN FOUNDATIONS

Vol. VI. MAY, 1902. No. 5.

# REPORT FOR APRIL.

# REFERENCE DEPARTMENT.

During the month of April there were received at the Library, by purchase, 732 volumes and 509 pamphlets; by gift, 3,071 volumes and 5,064 pamphlets; and by exchange, 309 volumes and 3,801 pamphlets.

There were catalogued 5,145 volumes and 2,659 pamphlets, for which purpose 10,462 cards and 2,958 slips for the copying machine were written, and 13,866 cards were received from the copying machine.

The following table shows the number of readers, and the number of volumes consulted, in both the Astor and Lenox Branches of the Library, also the number of visitors to the Print Department at the Lenox, during the month:

	LENOX.	Astor.	
No. of readers and visitors	5,090 2,806	10,411	
No. of readers, desk applicants	1,219 6,016	8,554 30,718	
Daily average of readers	108	400	
Number of visitors to Print Exhibit, etc	3,451		

# CIRCULATION DEPARTMENT.

The most popular books of the month were (in non-fiction): Riis's "Making of an American," Creelman's "On the Great Highway," and James's "Talks to Teachers on Psychology;" (adult fiction) Johnston's "Audrey," Parker's "Right of Way," and Bacheller's "D'ri and I;" (juvenile fiction) Lang's "Green Fairy Book," Alcott's "Little Women," and Barbour's "Captain of the Crew."

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#### CIRCULATION STATISTICS.

BRANCHES.	CIRCUL	ATION.	NEW	READERS I	VOLUMES	
	HOME USE.	TOTAL.	REGISTRA- TIONS.	MINORS.	TOTAL.	ACCES- SIONED.
Bond Street	11,102	11,638	177	878	3,895	68
Ottendorfer	18,430	19,261	273	1,889	3,860	149
George Bruce	15,420	17,992	213	1,779	2,572	49
Jackson Square	11,921	13,223	139	413	2,602	67
Harlem	12,149	13,264	232	1,325	2,289	44
Muhlenberg	10,236	12,165	136	859	1,929	30
Bloomingdale	16,203 Closed.	17,531	178	1,362	2,651	120
Yorkville	15,820	16,948	218	743	1,128	99
Thirty-fourth Street	5,639	7,627	95	1,282	1,988	23
Chatham Square	11,985	15,758	250	668	773	122
St. Agnes	13,565	14,914	139	723	2,390	149
Washington Heights	8,900	10, 341	137	3,445	6,545	164
Travelling	24,541	24,541				348
	178,911	195,203	2,187	15,366	32,622	1,432

A number of large gifts were received this month, one from Messrs. H. V. & H. W. Poor, consisting of 1,516 volumes, 1,487 pamphlets, 45 scrapbooks, and 18 maps, the scrapbooks referring entirely to the transactions of the New York Stock Exchanges (38 volumes, 1873–1891), Boston (4 volumes, 1887–1888), and Philadelphia (3 volumes, 1886–1888). This gift added 971 pieces to the files of the Library, the larger proportion of them being auditors' and treasurers' reports of the several States, many of which filled gaps, and some, notably for Oklahoma, started new files.

A valuable collection of 511 volumes of newspapers, received from the Long Island Historical Society, made important additions to the files of New York newspapers and technological journals. This gift, together with the file of the Evening Post already in the library, makes the set of the Post complete from its beginning in 1801, with the exception of the years 1813, 1862, and 1863. It includes also a collection of all the newspapers and periodicals published in the United States during the Centennial year, 1876, bound in 70 volumes.

Other important gifts were from the Ministry of Foreign Affairs, Argentine Republic, 10 volumes, 7 pamphlets, an atlas, and 16 maps, all issued by the Republic; from S. P. Avery, 11 volumes and 4 pamphlets, relating to art, also 7 bookplates and a photograph after Rossetti; from the Century Association, 139 volumes, 353 pamphlets, 14 maps and charts, and 1 atlas; from the Century Company, 128 prints, being engravings by Timothy Cole and Henry Wolf; from William E. Dodge, 63 volumes and 104 pamphlets, including 51 volumes of the Penny Cyclopædia; from Mrs. Henry Draper, 46 volumes and 5 pamphlets; from Melatiah E. Dwight, one of an edition of fifty-two copies of his "Catalogue of

the Works of Elbridge Kingsley, the Engraver"; from Stuyvesant Fish, a photograph of a Bradford broadside proclamation of Governor Fletcher, dated 29 April, 1693, heretofore unknown; from the Colony of Jamaica, 26 volumes and 1 pamphlet, including the recent Blue Books and Census of the Island; from the keeper of the archives of the Municipality of Lisbon, 11 volumes of the municipal records; from four departments of the government of the Province of Nova Scotia, 27 volumes and 66 pamphlets; from John Robinson, 12 volumes of literary annuals; from the Società Ligure di Storia Patria of Genoa, 6 volumes of transactions and a map; from Miss C. P. Stokes, 2 volumes and 2 pamphlets, relating to the Dudley family; from Mrs. E. N. Vanderpoel, 15 maps, including some of the Civil War, 25 old lithographs and 1 photograph.

The exhibition of Rossetti prints at the Lenox was continued during the month, as was the display of Fantin-Latour lithographs at the Astor.

The exhibitions at the circulation branches have been as follows: Bond Street, Arbor day; Ottendorfer, Arbor day, Latest fiction, Books about Spain, Frank R. Stockton, Queen Wilhelmina; George Bruce, Audrey, Frank R. Stockton, Cecil Rhodes; Jackson Square, Birds; Harlem, Illustrations from children's books, Birds, Columbia College, Concord and Lexington, Arbor day, Frank R. Stockton; Muhlenberg, Arbor day, Frank R. Stockton; Bloomingdale, Arbor day, Frank R. Stockton; Yorkville, Tales of the sea, William Wordsworth, Arbor Day, Frank R. Stockton; Thirty-fourth Street, Arbor day; Chatham Square, Washington Irving, New York old and new, South America, Frank R. Stockton, Arbor day; St. Agnes, Arbor day, Boys' bulletin of games and sports; Washington Heights, Civics in the United States, especially in New York.

## JOSEPH E. JOHNSTON ON THE GEORGIA CAMPAIGN OF 1864.

Printed from the original manuscript in the Emmet Collection, presented to the New York Public Library by Mr. John S. Kennedy.

MACON, G. Aug. 13, 1864.

MY DEAR SIR.

I have had the pleasure to receive your friendly letter.

The reasons assigned for my removal are "failing to arrest the advance of the enemy to the vicinity of Atlanta, far in the interior of Georgia," & "not expressing confidence that I could defeat or repell him."

After the battle of the Wilderness, General Lee adopted precisely the course which I followed—& gained great glory by it. He fell back as far as I, & much more rapidly—or rather, less slowly. The enemy also penetrated much more deeply & extensively into Virginia than into Georgia.

I have never known sensible men to regard confident language as evidence of merit.

A few days before my removal, general Bragg assured me that he had maintained in Richmond, that Sherman's Army was stronger than Grant's. It is very certain that General Lee's was larger than mine. General Lee's course has satisfied the government & country—& added to his great glory.

The relative strength of Gen! Sherman's army and mine, made the chances of Victory in his favor, if we attacked. At Dalton he had a fortified pass close in his rear, as a place of refuge in case of mishap. In moving southward he advanced fortifying—& therefore always had an intrenched position close behind him. Under such circumstances victory could not have been decisive for us, while defeat would have been ruinous. We therefore kept near him, to be ready to take advantage of any exposure of a detachment that he might make. He was too sagacious, however, to make any that would have justified battle. But we repelled his almost daily partial assaults with trifling loss. While he, on all such occasions, suffered heavily.

We fell back before the federal army, about 93 miles in 75 days, the sum of our losses was about 10000. We estimated that of the enemy at five times as much from the opinions of experienced officers—reports of prisoners taken daily—& statements of northern newspapers. The course, if continued with the same results, would soon have so reduced the disparity of number as to make the chances of battle at least equal. If we could have defeated the enemy on this [side] of the Chattahoochee his destruction was certain. I therefore thought, and still think my plan of operations correct.

Yours very truly

J. E. Johnston,

## CHECK LIST OF WORKS IN THE NEW YORK-PUBLIC LIBRARY ON THE THEORY OF VALUE.

## \* All works here noted are in the Astor branch.

## HISTORY.

**Diehl** (K.) P. J. Proudhon. Seine Lehre und sein Leben. Jena: G. Fischer, 1888-96. 3 v. 8°. (Stattswiss. Seminar Halle a. S. Samml. national-okonom. und statistis. Abhandl. v. 5, no. 2; v. 6, nos. 3-4.)

Gabiati (Attilio). La teoria del valore in Francesco Ferrara. (La riforma soc. v. 11, pp. 645-660. Torino, 1901.)

**Taylor** (W. G. Langworthy). Some important phases in the evolution of the idea of value: value, price and work. (Journal of Political Economy. v. 3, pp. 414-433. *Chicago*, 1895. 8°.)

**Zmave** (Jan). Die Werththeorie bei Aristoteles und Thomas von Aquino. (Archiv. f. Gesch. der Philos. v. 12, pp. 407-433. *Berlin*, 1899.)

## GENERAL WORKS.

## Arranged chronologically.

[Bailey (S.)] A critical dissertation on the nature, measures and causes of value; chiefly in reference to the writings of Mr. Ricardo . . . By the author of Essays on the formation and publication of opinions, etc., etc., [i. e., S. Bailey.] London . R. Hunter, 1825. xxviii, 255 pp. 83.

**Nature,** measures and causes of value. (Westminster Review. v. 5, pp. 157-172. *London*, 1825. 8°.)

[Bailey (Samuel).] A letter to a political economist; occasioned by an article in the Westminster Review on the subject of value... (4) IOI pp. London: R. Hunter, 1826. 8°.

Cotterill (C. E.) An examination of the doctrines of value as set forth by A. Smith, Ricardo, McCulloch, Mill... Torrens, Malthus, Say, etc. Being a reply to those distinguished authors. London: Simpkin & Marshall, 1831. vi, 1 l. 128 pp., 6 tab. 8.

Fix (Théodore). De la mesure de la valeur. (Journal des Économistes. v. 19, pp. 1-12. *Paris*, 1844. 8°.)

**Bacon** (G.) Measure of value. (Hunt's Merchant's Magazine. v. 24, pp. 551-559. New York, 1850. 8°.)

Richesse, utilité, valeur. (Journal des Économistes. v. 35, pp. 23-34. Paris, 1853. 8°.)

Carroll (C. H.) Nature of commercial value. (Hunt's Merchant's Magazine. v. 40, pp. 309-313. New York, 1857. 8°.)

Garnier (Joseph). Exposition de la theorie de la valeur. (Journal des Économistes. 3. série, v. 37, pp. 369-95; v. 38, pp. 115-17; v. 40, pp. 115-20. *Paris*, 1863. 8°.)

Lindwurm (Arnold). Die Theorie des Werthes. (Jahrbücher für Nationalökonomie und Statistik. v. 4, pp. 165–218. *Jena*, 1865. 8°.)

Faveau (G.) Considérations mathématiques sur la théorie de la valeur. (Journal des Économistes. 3. série, 2. année, v. 5, pp. 31-40. *Paris*, 1867. 8°.)

Walker (A.) Standard of value. (Banker's Magazine. v. 21, pp 725-738. New York, 1867. 8°.)

Roesler (H.) Zur Theorie des Werthes. (Jahrbücher für Nationalökonomie und Statistik. v. 11, pp. 279-313, 406-419. *Jena*, 1868. 8°.)

Bolles (A. S.) Meaning and causes of value. (North American Review. v. 117, pp. 319-341. New York, 1873. 8°.)

— Meaning and causes of value. (Banker's Magazine. v. 28, pp. 921-940. New York, 1874. 8°.)

Darwin (G. H.) Theory of value exchange. (Fortnightly Review. v. 23, pp. 243-253. London, 1874. 8°.)

Marshall (A.) Mill's theory of value. (Fortnightly Review. v. 25, pp. 591-602. London, 1875.

**Thornton** (W. T.) Cairnes on value. (Contemporary Review. v. 28, pp. 813-835. *London*, 1876. 8°.)

**Newcomb** (S.) Standard of value. (North American Review. v. 129, pp. 223-237. New York, 1879. 8°.)

Clark (J. B.) The philosophy of value. (New Englander. v. 4, July, pp. 457-469. New Haven, 1881. 8°.)

Mongin (Marcel). Des éléments de la valeur. (Journal des Économistes. 4. série, 5º année, v. 19, pp. 369-80. *Paris*, 1882. 8°.)

Samter (Adolph). Der Werth in seiner wirthschaftlichen und gesellschaftlichen Bedeutung. (Annalen des Deutschen Reichs für Gesetzgebung, Verwaltung und Statistik. 1883, pp. 457-490. Leipzig, 1883. 8°.)

Wieser (F. von.) Über den Ursprung und die Hauptgesetze des wirthschaftlichen Werthes. Wien: A. Hölder, 1884. 214 pp. 8°.

**Standard** of value. (Banker's Magazine. v. 45, pp. 1093-1103; v. 46, pp. 199-212. *London*, 1885-1886. 8°.)

Böhm-Bawerk (Eugen von). Grundzüge der Theorie des wirthschaftlichen Güterwerthes: Theil I., Die Theorie des subjektiven Werthes. Theil II., Die Theorie des objektiven Werthes. (Jahrbücher für Nationalökonomie. n. F. Bd. 13, pp. 1–82; pp. 477–541. Jena, 1886. 8°.)

Marshall (A.) Value and distribution. (Quarterly Journal of Economics. v. 1, pp. 359-361. Boston, 1887. 8°.)

Laughlin (James L.) Marshall's theory of value and distribution. (Quarterly Journal of Economics. v. 1, pp. 227-232. *Boston*, 1887. 8°.)

**Scharling** (William). Werttheorien und Wertgesetz. (Jahrbücher für Nationalökonomie und Statistik. 2 F., Bd. 16, pp. 417-437. *Jena*, 1888. 8°.)

Komorzynski (J. von.) Der Werth in der isolirten Wirthschaft. Wien: Manz, 1889. 105 pp. 8°.

**Bonar** (James). The Austrian economists and their views of value. (Quarterly Journal of Economics. v. 3, p. 1-31. *Boston*, 1889. 8°.

Alessio (G.) Studi sulla teorica del valore cambio interno. *Torino: Fratelli Bocca*, 1890. 219 pp. 8°. (Biblioteca di Scienze Sociali. v. 10.)

**Symposium** (A) on value. Edited by J. H. Levy, and consisting of papers by Ernest Belfort Bax... [and others]. *London: P. S. King* [189-?]. 58 pp. 12°.

Wieser (F. von). Theory of value. Philadelphia: Amer. acad. pol. & soc. sci. [189-?]. pp. 24-52. 8°. (Amer. acad. pol. & soc. sci. Pubn's. no. 50.)

Zuckerkandl (Dr. Robert.) Die klassische Werttheorie und die Theorie von Grenznutzen. (Jahrbücher für Nationalökonomie und Statistik. 2. F., 20. Bd., pp. 509–19. *Jena*, 1890. 8°.)

**Dietzel** (H.) Die klassische Werttheorie und die Theorie von Grenznutzen. (Jahrbücher für Nationalökonomie und Statistik. 2. F., 20. Bd., pp. 561–606. *Jena*, 1890. 8°.)

Lehr (J.) Die klassische Werttheorie und die Theorie von Grenznutzen. (Jahrbücher für Nationalökonomie und Statistik. 2. F., 21. Bd., pp. 182– 86. Jena, 1890. 8°.)

Boehm-Bawerk (E. von.) Ein Zwischenwort zur Werttheorie. (Jahrbücher für Nationalökonomie und Statistik. 2. F., 21. Bd., pp. 519-22. Jena, 1890. 8°.)

Macvane (S. M.) Boehm-Bawerk on value and wages. (Quarterly Journal of Economics. v. 5, pp. 24-43. *Boston*, 1890. 8°.)

**Smart** (W.) An introduction to the theory of value... London, 1891. 88 pp. 12°.

Dietzel (Heinrich.) Zur klassischen Wert und Preistheorie. (Jahrbücher für Nationalökonomie und Statistik. 3. F., 1. Bd., pp. 685-707. Jena, 1891. 8°.)

Wieser (F.) Austrian school of political economy and theory of value. (Economic Journal. v. I, pp. 108-121. *London*, 1891. 8°.)

Böhm-Bawerk (Eugen von.) Wert, Kosten und Grenznutzen. (Jahrbücher für Nationalökonomie. 3. F., Bd. 3, pp. 321-367. Jena, 1892. 8°.)

Clark (J. B.) Ultimate standard of value. (Yale Review, Nov., 1892. New Haven. 8°.)

Fireman (P.) Kritik der marxischen Werttheorie. (Jahrbücher für Nationalökonomie und Statistik. 3. F., 3. Bd., pp. 793-808. *Jena*, 1892. 8°.)

Macvane (S. M.) Marginal utility and value. (Quarterly Journal of Economics. April, 1893. v. 7, pp. 255-285. Boston, 1893.)

**Merriam** (L. S.) The theory of final utility in its relation to money and the standard of deferred payments. [Baltimore, 1893.] pm. 8°.

Ross () The total utility standard of deferred payments. (Annals of the American Academy of Political and Social Science. v. 4, p. 425-441. Nov. 1893. *Philadelphia*, 1893. 8°.)

Wieser (F. [R.] von). Natural value; edited, with a preface and analysis by W. Smart; the translation by C. A. Malloch. London: Macmillan & Co., 1893. 243 pp. 8°.

Green (David J.) Pain-cost and opportunity-cost. (Quarterly Journal of Economics. Jan. 1894. v. 8, pp. 218-229. *Boston*, 1894. 8°.)

**Bochm-Bawerk** (Eugén v.) The ultimate standard of value. (Annals of the American Academy of Political and Social Science. v. 5, pp. 149-208. *Philadelphia*, 1895. 8°.)

Green (David I.) Wieser's natural value. (Annals of the American Academy of Political and Social Science. v. 5, pp. 512-530. *Philadelphia*, 1895. 8°.)

Levy (J. H.) A symposium on value. London, 1895. 58 pp. 8°.

Ehrenfels (Chr. von). Von der Wertdefinition zur Motivationsgesetze. (Archivfür systematik Philosophie. 1896, II, pp. 103-22. *Berlin*, 1896. 8°.)

Story (G. A.) Measure of value; is its appreciation in the interest of the creditor? (Overland. new series. v. 28, pp.112-120. San Francisco, 1896.

Stuart (Henry W.) The hedonistic interpretation of subjective value. (Journal of Political Economy. v. 4, pp. 64-84. *Chicago*, 1896. 8°.)

— Subjective and exchange value. (Journal of

—— Subjective and exchange value. (Journal of Political Economy. v. 4, pp. 208-239, 352-385. Chicago, 1896. 8°.)

Whittick (William A.) Value and an invariable unit of value. An important discovery in economics. 132 pp. Philadelphia: J. B. Lippincott Co., 1896. 8°.

Wolff (Th.) Das Verhältniss der Wertfestsetzung zu der Kostenfestsetzung. (Archiv für die civilistische Praxis. 86. Bd., pp. 339-52. Freiburg, 1896. 8°.)

Borden (J.) An essay on value. With a short account of American currency. 232 pp. Chicago: Rand, McNally & Co. [cop. 1897]. 12°.

Ehrenfels (C. von). System der Werttheorie. Bd. 1-2. Leipsig: O. R. Reisland, 1897-98. 2 v. 8°.

Gottl (Friedrich). Der Wertgedanke, ein verhülltes Dogma der Nationalökonomie. Kritische Studien zur Selbstbesinnung des Forschens im Bereiche der sogenannten Wertlehre. [2]+76 p. (Staatswissensch. Studien. v. 6, no. 4. Jena, 1897.)

Taylor (W. G. Langworthy). A misguided philosopher in the field of economics. (American Academy of Political and Social Sciences. v. 11, March, pp. 91-98. *Philadelfhia*, 1898. 8°.)

A criticism of Gottl's Wertgedanke.

Hyde (A. M.) Gold, labor and commodities as standards of value. (Journal of Political Economy. v. 6, pp. 95-98. *Chicago*, 1897. 8°.)

Petit (E.) Étude critique des différentes théories de la valeur (dans l'échange intérieur). Paris : A. Rousseau, 1897. 2 p. l., 320 pp. 4°.

**Stroever** (Carl). Utility and cost as determinants of value. (Annals of the Amer. Acad. of Political and Social Sci. *Philadelphia*, 1897. 8°. v. 10, pp. 334-358.)

—— —— Am. Acad. Polit. and Soc. Sci. (Publications, no. 213. *Philadelphia*, 1897. 8°.)

Taylor (William George Langworthy.) Generalization and economic standards. 14 pp. (Univ. of Nebraska. University studies. v. 2, no. 2, art. 5. *Lincoln*, Neb., 1897.)

— Values, positive and relative. (Annals Amer. Acad. of Political and Social Sci. *Philadelphia*, 1897. 8°. v. 9, pp. 70–106.)

— Values, positive and relative. *Philadelphia:* Amer. Acad. Polit. and Soc. Sci., 1897. pp. 70-106. 8°. (Publicus. of the Amer. Acad. Polit. and Soc. Sci., no. 191.)

**Diehl** (K.) Ueber das Verhältniss von Wert und Preis im ökonomischen System von K. Marx. (In Staatswissenschaftl. Seminar zu Halle a. d. S. Samml. nationalökon. u. statistischer Abhandl. *Jena*, 1898. 8°. v. 20., pp. 1-44.)

Labriola (Arturo). Ancora la teoria marxistica del valore. (Giornale degli economisti. *Roma*, 1898. 8°. Ser. 2, v. 17, pp. 334-350.)

Roettinger (J.) Realwerthe. Eine Studie über Gut, Werth, Preis und Geld im Allgemeinen und die Arten der Realwerthe im Besonderen. Leipzig: J. J. Arnd, 1898. x, 70 pp. 4°. (National-ökonomik technischer Anlagen und Einrichtungen. Bd. 2.)

Sorel (G.) Nuovi contributi alla teoria marxistica del valore. (Giornale degli economisti. *Roma*, 1898. 8°. Ser. 2, v. 17, pp. 15-30.)

Stockhausen (Viktor, Freiherr von). Die Wertlehre Proudhons in neuer Darstellung. 7+126 p. (Berner Beiträge z. Gesch. d. Nationalökon. no. 11. Bern, 1898.)

**Berardi** (Domco) Utilità limite e costo di riproduzione. (Giornale degli economisti. ser. 2, v. 19, pp. 307-325; 427-451; 538-561; ser. 2, v. 22, pp. 225-256; 545-574. *Roma*, 1899-1901.)

Bernstein (Edward). Arbeitswerth oder Nutzwerth? (Die neue Zeit. Jahrg. 17, v. 2. pp. 548-554. Stuttgart, 1899.)

Giudice (A.) Principí di economia sociale. Il valore; o, Le fondamenta scientifiche del socialismo. Catania: Tip. Zimmataro, 1899. 152 pp. 8°.

Lexis (Wilhelm). Über einen neuen Versuch einer Arbeits- und Werttheorie. (Jahrb. f. Gesetzgebung. v. 23, pp. 913-922. Leipsig, 1899.)

Grasiadei (Antonio). Intorno alla teoria edonistica del valore. (La riforma soc. v. 10, pp. 857-883. *Torino*, 1900.)

Simmel (Georg). A chapter in the philosophy of value. (Amer. Jour. of Sociology. v. 5, pp. 577-603. *Chicago*, 1900.)

Casel (G.) Die Produktionskostentheorie Ricardo's und die ersten Aufgaben der theoretischen Volkswirtschaftslehre. (Ztsch. f. d. gesamte Staatswiss. v. 57, pp. 68-100. Tübingen, 1901.)

Cornélissen (Christian). Critique des théories modernes de la valeur. (Rev. soc. v. 34, pp. 537-562. *Paris*, 1901.)

Hucke (J.) Die Handels-Bilanz. Die Obliegenheiten des Wechsels. Die Valuta. Der Zettelbank-Apparat . . . Berlin: Mitscher & Röstell, 1001. xiv. 318 pp. 8°.

1901. xiv, 318 pp. 8°.

Kraus (Oskar). Zur Theorie des Wertes: eine Bentham Studie. Halle a. S.: M. Niemeyer, 1901. vi, 148 pp. 8°.

Schmoller (Gustav). Einige principielle Erörterungen über Werth und Preis. (Kön-preuss. Akad. der Wissensch. Sitzungsb. 1901, pp. 634-676. Berlin, 1901.)

**Schwoner** (Alfred). Die Bewegung der Werte. (Ztsch. f. Volkswirt. Socialpol. u. Verwaltung. v. 10, pp. 257-266. *Wien*, 1901.)

**Seligman** (Edwin R. A.) Social elements in the theory of value. (Quar. Jour. of Economics. v. 15, pp. 321-347. *Boston*, 1901.)

**Shaw** (Charles Gray.) The theory of value and its place in the history of ethics. (Internat. Jour. of Ethics. v. 11, pp. 306-320. *Philadelphia*, 1901.)

**Slater** (T.) Value in moral theology and political economy. (Irish Eccles. Rec. ser. 4, v. 10, pp. 193-204. *Dublin*, 1901.)

Staudinger (Franz). Empirische und rationale Methode in der Philosophie; dargelegt an einer Besprechung von Ehrenfels, System der Werttheorie. (Archiv. f. system. Philos. v. 7, pp. 295–315. Berlin, 1901.)

Cornélissen (Christian). La valeur précapitaliste (Rev. soc., v. 35, pp. 161-172. Paris, 1902.)

**Kreibig** (J. C.) Psychologische Grundlegung eines Systems der Wert-Theorie. Wien: Alfred Holder, 1902. vii (i), 204 pp. 8°.

# A CHECK LIST OF WORKS IN THE NEW YORK-PUBLIC LIBRARY ON WAGES, ETC.

\*\* All works here noted are located in the Astor branch. This list is by no means exhaustive; national and state general statistical publications and publications of labor bureaus or departments all contain much material relating to the subject. Reference should be made, in the index catalogue in the reading room, to related headings, such as Labor and Machinery, Profit, Profit sharing, etc., etc. The arrangement here is alphabetical by subdivisions under the three groups of (I) General works, (II) Various kinds of wages, (III) Wages in various occupations, and chronological under the subdivisions in each group.

## WAGES IN GENERAL.

0

## HISTORY AND STATISTICS.

Bibliography.

Hopkinson (Miss A.), and Bowley (A. L.) Bibliography of wage statistics in the United Kingdom in the nineteenth century. (Economic Rev. London, 1898. 8°. v. 8, pp. 504-520.)

#### General.

**Beauregard** (P.) La hausse du salaire au xixe siècle en France et l'étranger. (Revue d'Économie politique. v. 1, pp. 31-52. *Paris*, 1887. 8°.)

Chevallier (É.) Les salaires au xixe siècle ... avec une préface de É. Levasseur. Paris, 1887. 8°.

Graded weekly wages: Massachusetts, other United States and foreign countries, 1810–1891. 4 pts. (Mass. Labor Stats. Bur. 26.–29. an. rpts., 1896–99.)

Symons (J. C.) Wages of artizans at home and abroad. (Journal of the Franklin Institute, v. 29, pp. 306-315, 361-375; v. 30, pp. 1-10, 73-81. Philadelphia, 1839-1840.)

**Bowley** (A. L.) Comparison of the changes in wages in France, the United States and the United Kingdom, from 1840–1891. (Economic Jour. *London*, 1898. 8°. v. 8, pp. 474–489.)

Savary (Robert). Les salaires et les prix en France et aux États-Unis au cours du dernier demisiècle. (Annales des sci. polit. v. 16, pp. 487-497. Paris, 1901.)

**Wages** in the U. S. and Europe, 1870–1898. (U. S. Labor Bureau. Bull. 18, pp. 665–693.)

For the United States, England, France and Belgium only. The tables of wages for Lyons, France, were received too late for inclusion in the above article, and were printed on pp. 418–420 of Bull. 22.

Charts exhibited at the Pan-American exposition. [Showing in graphic form statistics of average daily wages in certain cities of the U. S., Great Britain, France and Belgium, from 1870-1896, in selected occupations.] (Bull. Dept. of Labor, 1902. no. 38, pp. 121-126. Washington, 1902.)

Young (E.) Labor in Europe and America: a special report on the rates of wages, the cost of subsistence, and the condition of the working classes in Great Britain, Germany, France, Belgium, and

other countries of Europe; also in the U. S. and British America. (44th Cong. 1st sess. House Ex. doc. no. 21.) Washington, 1876. 8°.

— [Same.] Philadelphia [Washington, printed], 1875. 8°.

Nimmo (Joseph), Jr. Comparative rates of wages in the United States and in foreign countries, May 1, 1882. Washington: Govt. Prtg. Off., 1882. I. l., 35 pp. 8°. (U. S. Statistics Bureau.)

— Same. 47. Cong., I sess., Senate Ex. doc. 173.

Schoenhof (Jacob.) Wages and trade in manufacturing industries in the United States, Great Britain, France and Germany. Statement of J. Schoenhof before the ways and means committee upon the subject of the tariff. Washington, D. C.: Henkle & Polkinhorn, 1884. 15 pp. 8°.

— Wages and trade in manufacturing industries in America and Europe; with an introduction by R. R. Bowker. New York, 1884. 8°. (New York free trade club.)

Meriwether on wages in Europe and America. (Spectator. v. 60, pp. 412-413. London, 1887. F°.)

Bullock (Charles J.) Contributions to the history of wage statistics. (Quar. Pub. Amer. Statistical Ass. v. 6, pp. 187-218. Boston, 1899.)

Wright (C. D.) The evolution of wage statistics. Boston: G. H. Ellis, 1892. 41 pp. 8°.
Repr. from: Quarterly Journal of Economics for Jan., 1892.

United States.—Foreign Commerce Bureau. Wages in foreign countries, 1895. (Cons. Rpts. v. 49, pp. 1-13.)

Wages in silver countries. (Yale Review. v. 6, pp. 79-80. New Haven, 1897. 8°.)

Recent statistics on wages. (Quarterly Journal of Economics. v. 13, pp. 105-109. Boston, 1898. 8°.)

March (Lucien). Quelques examples de distribution des salaires. (Soc. de statist. de Paris. Jour. v. 39, pp. 193-206, 241-248. *Paris*, 1898.)

Falkner (Roland P.) Wage statistics in theory and practice. (Quar. Pub. Amer. Statistical Assoc. n. s. v. 6, pp. 275-289. Boston, 1899.)

Mangoldt (K. von). Zur Lohnstatistik. (Jahrbücher für Nationalökonomie und Statistik. 3 F., 20 Bd., pp. 515-520. Jena, 1900.)

History, etc., cont'd.

## By Countries.

#### Austria.

**Hawes** (J. B.) Wages in Bohemia, 1891. (U. S. Cons. Rpts. v. 37, pp. 469-473.)

**Schüller** (L.) Die Lohnverhältnisse der industriellen Arbeiter in Schlesien (Oesterreich). (Austria. K. K. Statistische Centralkommission, Statistische Monatsschrift. 1896, pp. 384-398. *Trier*, 1896. 4°.)

## Belgium.

Ewing (J. S.) Labor in Belgium, 1896. (U. S. Cons. Rpts. v. 51, pp. 314-317.)
With table of wages.

#### China.

Jernigan (T. R.) Labor and wages in China, 1895. (U. S. Cons. Rpts. v. 50, pp. 93-96.)
With table of wages at Shanghai, Sept. 30,1895.

Labor and wages in China. (Engineering Magazine. v. 10, pp. 1139. New York, 1896. 8°.)

#### Denmark.

Finn (W.) Die Handwerkerlöhne in Dänemark. Jahrbücher für Nationalökonomie und Statistik. 3 F., 20 Bd., pp. 524-526. *Jena*, 1900. 8°.)

### France.

A table of average wages in France is published in each issue of the Annuaire Statistique de la France.

Prix et salaires à diverses époques. (Stat. de la France. ser. 2, v. 12.) 1863. xxxiv, 211 pp.

Tables are for various dates: 1853-57, for wages; 1824-55, etc., for prices.

L. (A.) Prix et salaires en France à divers époques. (Journal de la Société de statistique de Paris. v. 5, pp. 140-153, 201-206. Paris, 1864. 4°.)

Arbeitslöhne in Frankreich, 1790. (Zeitschr. Preuss. Stat. 27. Jahrg. 1887, St. K. xxiv.)

Review of Les Prix en 1790, Paris, 1886, by L. Biollay.

Perdiguier (Agricol). Statistique du salaire des ouvriers; en réponse à M. Thiers et autres économistes de la même école. 70 pp., 1 l. Paris: Bureau du Journal La Révolution démocratique et sociale, 1849. 8°.

Extrait de La Révolution démocratique et sociale.

Salaires (Les) depuis cinquante ans. (Bull. tech. (Organe Inst. du génie civil.) Année 1, pp. 174-175. *Paris*, 1899.)

Salaires, 1853 et 1871. (Statistique de la France, n. s. Stat. ann. v. 1, xlv-l.)

Statistique des salaires en France, de 1853 à 1871. (Journal de la Société de Statistique de Paris. v. 16, pp. 36-42. *Paris*, 1875. 4°.)

**Ducarre** (—). Rapport fait au nom de la Commission d'enquête parlementaire sur les conditions du travail en France: salaires et rapports entre ouvriers et patrons. *Versailles: Cerf et fils*, 1875. 366 pp. 4°. (France. Conditions du Travail en France. Comm. d'enquête sur les.)

L. (T.) Les salaires de la grande industrie (en 1881). (Journal de la Société de statistique de Paris. v. 25, pp. 281-284. *Paris*, 1884. 4°.)

Coste (Ad.) Étude statistique sur les salaires des travailleurs et le revenue de la France (Journal de la Société de statistique de Paris. v. 31, pp. 225-240. *Paris*, 1890. 4°.)

Wages of working classes and national income in France. (Royal Statistical Society Journal. v. 54, pp. 138-153. *London*, 1891. 8°.)

**Angell** (S. H.) Labor in France, 1894. (U. S. Cons. Rpts. v. 47, pp. 313-359.)

With tables of wages of various occupations.

Cheysson (E.) La crise du revenu et la loi du travail. *Paris* [1897]. 46 pp. 2. ed. 12°. (Comité de Défense et de Progrès Social. Conférences. no. 22.)

France, Travail, Office du. Salaires et durée du travail dans l'industrie français. Paris: Imp. Nationale, 1897. 4 v. 8°.

---- Album graphique to same. Paris, 1897. 8°.

Fuld (L.) Die Sicherung des Arbeits- und Dienstlohnes in Frankreich. (Jahrbücher für Nationalökonomie und Statistik. 3. F., 13. Bd., pp. 903-910. Jena, 1897. 8°.)

March (Lucien). Les salaires et la durée du travail dans l'industrie française. (Soc. de statist. de Paris. Jour. v. 39, pp. 333-347. *Paris*, 1898.)

Weyl (Walter E.) Labor conditions in France. (Annals Amer. Acad. Polit. and Soc. Sci. *Philadelphia*. v. 12, Sept., 1898, pp. 250-258.)

Dechesne (Laurent). La productivité du travail et les salaires. (Rev. d'écon. polit. v. 13, pp. 394-415; 460-501. Paris, 1899.)

Du Mesnll ( ) et Mangenot ( ). Étude d'hygiène et d'économie sociale. Enquête sur les logements, professions, salaires et budgets, avec une lettre de J. Siegfried. Paris: Impr. Chaix, 1899. 5 p. l., 160 pp., 1 plan. 8°.

Scaife (Walter B.) Work and wages in France. (Forum. v. 30, pp. 35-50. New York, 1900.)

#### Germany.

Beschlagnahme (Die) der Löhne. (Annalen des Deutschen Reichs. 1869, pp. 1069–1082. Leipzig, 1869. 8°.)

Strike. Arbeitslohn und Arbeitstag. Eine socialistische Controverse. (Annalen des Deutschen Reichs. 1874, pp. 34–54. *Leipzig*, 1874. 8°.)

Rise of wages in Germany. (Banker's Magazine. v. 29, pp. 259-262. New York, 1875. 8°.)

Leeuw (Leo de). Einige Betrachtungen über die Lohnstatistik in Deutschland. (Zeitschr. Schweiz. Stat. 13. Jahrg., 1877. 1-13, 85-100.)

Grad (Charles). Arbeitslöhne in den Fabriken. (Annalen des Deutschen Reichs. 1882, pp. 61-69. *Leipzig*, 1882. 8°.)

Hirschberg (E.) Ergebnisse der für die Arbeiter-Kranken-Versicherung vorgenommenen Lohnstatistik in Preussen und den freien Städten. (Jahrbücher für Nationalökonomie und Statistik. 2. F., 10. Bd., pp. 263-271. Jena, 1885. 8°.)

Millar (S. R.) Wages of laborers and mechanics in Germany and Saxony, 1886. (U. S, Cons. Rpts. v. 21, pp. 74-80.)

**Evert** (G.) Zur Lohnstatistik der Berufs-Genossenschaften. (Zeitschr. Preuss. Stat. 31. Jahrg., 1891, 199-200.)

**Warner** (W. D.) Wages in Germany, 1892. (U. S. Cons. Rpts. v. 40, pp. 302-303.)

**Heine** (Wolfgang). Die Abänderung des Gesetzes betreffend die Beschlagnahme des Arbeits-oder

History, etc., Germany, cont'd.

Dienstlohnes und der Civilprozess-ordnung. (Archiv für soziale Gesetzgebung und Statistik. v. 10, pp. 454–465. *Berlin*, 1897. 8°.)

**Pesch** (H.) Die Lohnfrage in der Praxis. (Stimmen aus Maria-Laach. v. 53, pp. 225-239. *Freiburg*, 1897. 8°.)

**Kehl** (J. E.) Labor and wages in Germany, 1900. (U. S. Cons. Rpts. v. 63, pp. 166-168.)

With tables of wages paid in 1885 and 1899 to household servants, shipbuilding, laborers and seamen, and for food, in Stettin, 1885 and 1890.

## - Alsace-Lorraine.

Grad (Charles). Arbeitslöhne in Elsass-Lothringen. (Annalen des Deutschen Reichs, 1877. pp. 772-776. *Leipsig*, 1877. 8°.)

#### - Baden.

An annual return of wages is given in Statistisches Jahrbuck für das Grossherzogtum Baden.

#### — Bavaria.

Durchschnittliche Jahresarbeitslohn landund forstwirtschaftlichen Arbeiter und ortsüblichen Tagelohn gewöhnlichen Tagesarbeiter nach den von dem zuständigen Behörden getroffenen Festsetzungen. (Zeitschrift des königlichen bayrischen statistischen Bureaus. 1896, pp. 369-379. München, 1897. 4°.)

Arbeitslöhne... Neue Festsetzungen. (Zeitschrift des königlichen bayrischen statistischen Bureaus. 1898, p. 138. München, 1898. 4°.)

#### - Berlin.

Lohnverhältnisse (Die) in Berlin, 1879 bis 1889. (Zeitschr. Preuss. Stat. 31. Jahrg., 1891. St. K. xxxiv-xxxv.)

Berlin.—Statistisches Amt. Ermittelungen über die Lohn-Verhältnisse in Berlin... Berlin: Gebrüder Grunert, 1887. 64 pp., 2 maps, pap. F°.)

## ---- Breslau.

**Erdman** (C. W.) Wages in Breslau, 1898. (U. S. Cons. Rpts. v. 58, pp. 224-225.)

## - Dresden.

**Statistik** (Zur) der Arbeitslöhnen d. städt. Arbeiter, Dresden. (Mitteilungen des statistischen Amts der Stadt Dresden. 9. H., pp. 20–29. *Dresden*, 1900. F°.)

- Fürth.

Erdman (C. W.) Wages and industries in Furth, 1898. (U. S. Cons. Rpts. v. 56, pp. 540-542.)

## - Hesse.

**Beiträge** zur Geschichte der Preise und des Tagelohns in Hessen. (Jahrbücher für Nationalökonomie und Statistik. v. 19, pp. 145–167. *Jena*, 1872. 8°.)

Smith (James Henry). Grand Duchy of Hesse, 1886. (U. S. Cons. Rpts. v. 10, pp. 340-351.)

Laborers' wages and cost of labor are given in text.

## - Mecklenburg.

**Tagelohn** (Der) in Mecklenburg. (Jahrbücher für Nationalökonomie und Statistik. 2. F., 11. Bd., p. 546. *Jena*, 1885. 8°.)

## ---- Pomerania.

**Kellogg** (J.) Trade and industries of Pomerania, 1891. (U. S. Cons. Rpts. v. 37, pp. 296-309.)

With tables of wages.

#### - Schwarzburg-Rudolstadt.

Statistik (Zur) der Arbeitslöhne im Fürstenthum Schwarzburg-Rudolstadt. (Jahrbücher für National-ökonomie und Statistik. v. 12, pp. 373–381. Jena, 1869. 8°.)

## — Thuringia.

Smith (Jas. H.) Wages in the Thuringian forest, 1893. (U. S. Cons. Rpts. v. 43, pp. 171-172.)

## - Württemburg.

**Losch** (Hermann). Die Arbeitslöhne in Württemberg. (Württembergische Jährbücher f. Statistik and Landeskunde. *Stuttgart*, 1898. 4°. Jahr. 1897, Heft I, pp. 129–214.)

### Great Britain.

Rogers (J. E. T.) Six centuries of work and wages. The history of English labor. New York: G. P. Putnam's Sons [1884]. 591 pp. 8°.

Reviewed in the London Academy, 1883. v. 25, p. 287.

— Work and wages. Being a popular edition (abridged) of "Six centuries of work and wages." I pl., 3 l., 206 pp. London: S. Sonnenschein & Co., n. d. 12°.

— Eight chapters on the history of work and wages. 3. ed. *London*, 1891. 12°. (Social science series.)

Repr.: Six centuries of work and wages. chap. 8, 12, 14, 15, 17, 20.

— Eight chapters on the history of work and wages, being a reprint of chapters... of "Six centuries of work and wages." London: Sonnen-schein & Co., 1895. 4 p. l., 206 pp. 6. ed. 12°.

Rogers. Ueber die Höhe der Arbeitslöhne während des 13. Jahrhunderts in England. (Jahrbücher für Nationalökonomie und Statistik. v. 19, pp. 125-135. *Jena*, 1872. 8°.)

Wages in England, 1350-1500. (Edinburgh New Philosophical Journal. v. 14, pp. 198-201. Edinburgh, 1832.)

McArthur (Miss E. A.) A fifteenth-century assessment of wages. (Eng. Historical Rev. London, 1898. 8°. v. 13, pp. 299-302.)

Barker (T.) Wages of servants, laborers and artificers, 1619. (Archæologia. London. v. 11, pp. 200-211.) 4°.

Outlines of an attempt to establish a just and regular aequivalent for the labour and support of the poor; and to reconcile the weights of the kingdom to one standard, by connecting them with the copper coinage. London: J. Debrett [1797]. vi, 5-68 pp., 3 tab. 12°.

**Bowley** (A. L.) The statistics of wages in the United Kingdom during the last hundred years. (Jour. Roy. Statist. Soc. v. 61, pp. 702-722; v. 62, pt. 1, pp. 140-150; pt. 2, pp. 395-404; 555-570; 708-715. *London*, 1898-99.)

**Bowley** (A. J.) Wages and prices a hundred years ago Fenland Notes & Queries. v. 4, pp. 227-228. *Peterborough*, 1899.)

History, etc., Great Britain, cont'd.

Wages in the United Kingdom' in the nineteenth century. Notes for the use of students of social and economic questions. *Cambridge: University Pr.*, 1900. vi, I l., 148 pp., 3 charts, 4 tab. 8°.

Remarks on the injurious effects of the truck system; with an appendix consisting of affidavits, etc. Dudley: Stanley [1830]. 20 pp. 8°.

**Returns** of wages published between 1830 and 1886. *London*, 1887. ii, 437 pp. F°. (Great Britain. Parl. Papers. Sess. 1887, C. 5172, v. 89.)

Great Britain. — Commercial Department. Returns of wages published between 1830 and 1886. London: Eyre & Spottiswoode, prtrs., 1887. I p. l., ii, 437 pp. F°. (Trade, Bd. of.) C. 5172.

Felkin (William). Remarks upon the importance of an inquiry into the amount and appropriation of wages by the working classes... 16 pp. London: Hamilton Adams & Co., 1837. 8°.

Chadwick (D.) Wages in Manchester, Salford and Lancashire, 1839-59. (Royal Statistical Society, Journal. v. 23, pp. 1-36. London, 1860. 8°.)

— On the rate of wages, in 200 trades and branches of labour in Manchester and Salford and the manufacturing district of Lancashire . . . from 1839–1859; with statistical tables . . . London: W. H. Smith & Son, 1860. iv, 40 pp. 2. ed. 8°. Read before the Statistical Society of London, Dec., 1859, and reprinted by permission.

Report from the Select Committee [Great Britain] on Payment of Wages; together with the minutes of evidence, appendix, and index. [Effect of the truck system upon the price of the article and upon wages. High prices of provisions in the truck shops. Option given of reduced wages, or truck system with reduced prices]. [London, 1842.] iv, 178, 35 pp. F°. (Great Britain. Parl. Papers. Sess. 1842 (471), 9.)

Torrens (R[obert]). A letter to Lord Ashley, on the principles which regulate wages and on the manner and degree in which wages would be reduced, by the passing of a ten hours bill. London: Smith, Elder & Co., 1844. iv, 80 pp. 8°.

Letters and statements relative to the low wages paid in Great Britain. [London: W. Clowes & Sons, 1847.] 9-40 pp. 8°.

Rogers (J. E. T.) Wages in England. (Royal Statistical Society, Journal. v. 24, pp. 535-585. London, 1861. 8°.)

**Levi** (L.) Wages and earnings of the working classes, with facts illustrative of their economic condition, in a report to M. T. Bass, M.P. *London*, 1867. 8°.

**Brassey** (T.) The price of labor in England. (In: Atlas essays. No. 3. New York, 1878. 8°. pp. 20-37.)

Conder (F. R.) Wages in England. (National Review. v. 5, pp. 547-558. London, 1885. 8°.)

Raffalovich ( ). Les salaires et gains des classes ouvrières en Angleterre. (Journal de la Société de Statistique de Paris. v. 26, pp. 142-144. Paris, 1885. 4°.)

**Franklin** (F.) British wages. (Nation. v. 47, p. 46. *New York*, 1888. 4°.)

**Brown** (L. W.) Wages in the United Kingdom. 1890. (U. S. Cons. Rpts. v. 32, pp. 540-544.)

Playfair (I. baron), [Hugh] Lyon Playfair. On the wages and hours of labour... I l., 16 pp. London: Cobden Club, 1891. 12°.

Annual report on changes in wages and hours of labor. London, 1893-date. 8°.

Mallock (W. H.) Classes and masses; or, Wealth, wages, and welfare in the United Kingdom. London: A. & C. Black, 1896. xvi, 139 pp. 12°.

Great Britain.—Home Office. Workmen's compensation. Statistics of the proceedings in county courts in England and Wales under the workmen's compensation act, 1897, and the employers' liability act, 1880, during the year 1898. London: Darling & Son, ltd., prtrs., 1899. F.

— Same, England, Scotland, Wales, Ireland. 1899-1900.

Statistics for 1898 are fragmentary. "In county courts in England and Wales" is omitted from the title in 1899 and following years.

Veränderungen (Über die) der Lohnhöhe und der Arbeitszeit der englischen Arbeiter im Jahre 1896. (Die Neue Zeit. 16. Jahre. Bd. 1. No. 15. p. 475. Stuttgart, 1898. 8°.)

Wage changes in England. (Gunton's Magazine. New York, 1898. 8°. v. 14, pp. 247-251.)

**Blunt** (Herbert W.) English wages and foreign competition. (Econ. Rev. v. 9, pp. 156-173. *London*, 1899.)

Lawrence (F. W.) Local variations in wages. London: Longmans, Green & Co., 1899. viii, 90 pp., 11 charts. sq. F°. (Studies in economics and political science.)

Veränderungen in den Arbeitslöhnen und in der Arbeitszeit in England im Jahre 1899. (Soc. Rundschau. Jahrg. 1, pp. 786-796. Wien, 1900.)

Great Britain.—Labour Department. Wages (Standard piece rates). Report on standard piece rates of wages and sliding scales in the United Kingdom (1900). London: Darling & Son, Itd., prtrs., 1900. xxv, 308 pp. 8°. (Trade, Bd. of.) Cd. 144.

In continuation of—Labour Dept. z. ann. rpt. on wages and hours of labour, pt. 2.

— Wages (Standard time rates). Report ... with comparative tables. London, 1900. 8°. (Trade, Bd. of.)

Changes in wages and hours in 1901. (Labour Gaz. v. 10, pp. 3-4. London, 1902.)

**Neville** (Ralph). British industry and the wage system. (Monthly Rev. v. 2, pp. 50-64. London, 1902.)

--- Liverpool.

## - London.

**Hutchins** (B. L.) Notes towards the history of London wages. (Econ. Jour. v. 9, pp. 599-605; v. 10, pp. 103-104. *London*, 1899-1900.)

History, etc., Great Britain, cont'd.

Hewart (Beatrice). The wages of London vestry employees. (Economic Jour. London, 1898. 8°. v. 8, pp. 407-414.)

#### - Scotland.

Frame (Robert). Considerations on the interest of the county of Lanark, in relation to: I. Agriculture. II. The prices of subsistence. III. The maintenance of the poor. IV. The wages . . . V. The connexion and common interest of the land and trade. VI. The consequences of the new canal. VII. Land carriage and public roads. VIII. Markets. Glasgow: R. Duncan, 1769. 2 p. l., 76 pp. 8°.

[Russell (J. M.)] The destruction of agriculture and the wages of the labourers. [Portobello: T. Adams, 1890.] 4 pp. 8°. Repr.: Christian Commonwealth of March 13, 1890.

#### India.

Morris (H. C.) Wages in India. 1896. (U. S. Cons. Rpts. v. 51, pp. 140-141.)

With table of wages paid in the district of Hoogly.

## Italy.

Garelli (A.) I salarj e la classe operaja in Italia. Opera premiata al concorso ravizza. Torino: Angelo Penato, 1874. 2 p. l., 472 pp. 12°.

Ghio (Paulo Arnaldo). Les dernières crises agraires en Italie. (Jour. d. économistes. ser. 5, v. 47, pp. 384-395. Paris, 1901.)

#### Jamaica.

Allen (W. G.) The island of Jamaica. 1889. (U. S. Cons. Rpts. v. 32, pp. 182-193.) With table of average rate of wages.

## Japan.

McIvor (N. W.) Wages in Japan. 1895. (U. S. Cons. Rpts. v. 48, pp. 521-523.) With table of wages in 1892.

Bellet (Daniel). Le salaire et la concurrence industrielle de l'ouvrier japonais. (Jour. d. économistes, ser. 5, v. 35, pp. 230-238. Paris, 1898.)

#### Norway.

Norway. - Statistiske Centralbureau. Tabeller vedkommende arbeidslönninger. Kristiania, 1888-

 8°.
 Norges officielle statistik. 3. Raekke. no. 61 and following. Siam.

King (Hamilton). Wages and prices in Siam. (Consular Reports. v. 65, pp. 357-359. Washington, 1901.)

South Africa.

Niddrie (W.) White labor in Johannesburg; its present status and future prospects. (Economic Journal. v. 8, pp. 254-9. London, 1898. 8°.)

Stowe (J. G.) Commercial conditions in Cape Colony. 1898. (U. S. Cons. Rpts. v. 57, pp. 351-356.)
With table of wages.

## Spain.

Newson (T. M.) Labor in Spain. 1892. (U. S. Cons. Rpts. v. 40, pp. 437-441.)

With table of wages.

Barthe et Barthe (A.) Le salaire des ouvriers en Espagne. Madrid: R. Fé, 1896. 63 pp. 8°.

#### Sweden.

Sweden .- Statistiska Central Byran. Bidrag till sveriges officiela statistik. X. Aflönings-och pensions-statistik. 1881, 1883, 1886-1899. Stock-holm, 1882-99. 4°.

## Switzerland.

Stockalper (G. v.) Statistisches über Jahr-und Taglöhne in Wallis. (Zeitschr. Schweiz. Stat. 5. Jahrg. 1869, p. 194.)

**Germain** (E.) Wages in Switzerland. 1895. (U. S. Cons. Rpts. v. 49, pp. 75-79.)

Zinner (D.) Die Lohnverhältnisse der Arbeiter am Simplon. (Die Neue Zeit. 17. J., Bd. 2. No. 38, pp. 378-380. Stuttgart, 1899. 8°.)

#### United States.

Wages. (Niles' Register. v. 41, pp. 353-355. New York, 1831.)

Inglis (Paul). A letter to mechanics and working men on the wages of labor. [New York, 1840.]

Mechanic (A.) Address to workingmen on the low prices of wages. By a mechanic. 4 pp. [New York, 1840.] 8°.

Junius [pseud. of Calvin Colton]. Labor and capital. 16 pp. New York: Greeley & McElrath, 1844. 8°. (Junius tracts. no. 7.)

Young (E.) Information for emigrants to the United States of America, relative to the prices and rentals of land, the staple products . . . To which are appended tables showing the average weekly wages paid in the several states . . . In the year 1870. London: E. Stanford, 1873. xxvii, 232, 14 pp., 1 map. 8°.

- Special report on immigration; accompanying information for immigrants relative to the prices and rentals of lands, etc. . . . appended, tables showing the average weekly wages paid in the . . . states . . . 1869-70. Washington: Govl. Prig. Office, 1871. xxvii, 231 pp. 88. (U.S. Treasury Dept. Bur. of Statist.)

Course of wages from 1870 to the present time. (Quarterly Journal of Economics. v. 13, pp. 233-235. Boston, 1899. 8°.)

[Bogart (J.), and Leverich (G.)] Rates paid for labor of various kinds in 1873 and 1874. n. t. p. New York, 1874.] 2 pp., 1 tab. 8°.

Weeks (J. D.) Report on the statistics of wages in the manufacturing industries. Washington, 1886. (In: U. S.—Census Office. 10th census. v. 20.)

Means (D. MacG.) Wages in 10th census of United States. (Nation. v. 44, p. 125. New York, 1887. 4°.)

Weeks (J. D.) Statistics of wages in manufacturing industries; with supplementary reports on the average retail prices of necessaries of life and on trades societies, and strikes and lockouts. Washington: Govt. Prtg. Office, 1886. v. p. 4°. Cong., 2. sess., House Mis. doc. 42, pt. 20.)

**Pidgeon** (D.) Wages and labor in the United States. (Journal of the Society of Arts. v. 33, pp. 208-219. London, 1885. 8°.)

Mayo-Smith (Richmond). Statistics of wages and the next U. S. census. (Quarterly Journal of Economics. v. 2, pp. 385-413. Boston, 1887. 8°.) History, etc., United States, cont'd.

— Wage statistics and the next census of the United States. n. p. [1887.] 1 p. l., 29 pp. 8°.

Atkinson (E.) Wages, How can they be increased? (Forum. v. 5, pp. 488-507. New York, 1888. 8°.)

**Trend** of wages from 1891 to 1900. (Bull. dept. of Labor. no. 30, Sept., 1900, pp. 913-915. *Washington*, 1900.)

United States.—Finance Committee. Retail prices and wages. Report by Mr. Aldrich, from the committee on finance, July 19, 1892. Washington: Govt. Prtg. Office, 1892. 3 v. 8°.

— Same. 52. Cong., I. sess. Senate reports. v. 6-8.

Aldrich ([N. W.]) Report . . . on wholesale prices, wages, and transportation. March 3, 1893. Washington: Govt. Prtg. Office, 1893. 4 v. 8°. (U. S. Finance Committee.)

—— Same. 52. Cong., 2. sess., Senate Rpt. 1394.

Levasseur (P. E.) Le salaire aux États-Unis. Paris: Firmin-Didot & Cie., 1894. 19 pp. 4°.

Barrett (J.) Plain truth about Asiatic labor. (North American Review. v. 163, pp. 620-32. New York, 1896. 8°.)

**Levasseur** (Émile). Wages in the United States. The causes which determine wages. (Journal of political economy. v. 4, pp. 166–186. *Chicago*, 1896. 8°.)

Stewart (Ethelbert). Rates of wages paid under public and private contract. (U. S. Labor bureau. Bulletin. no. 7. Washington, 1896. pp. 721-753.)

Windmüller (L.) Shrinkage of wages. (North American Review. v. 163, pp. 456-62. New York, 1896. 8°.)

Bliss (H. L.) Eccentric official statistics of wages. (American Journal of Sociology. v. 2, pp. 515-31. Chicago, 1897. 8°.)

Are wages really falling? (Gunton's maga. New York, 1898. 8°. v. 15, pp. 81-94.)

**Bullock** (Charles Jesse). Wage statistics and the federal census. (Amer. econ. assoc. Pub. n. s. no. 2, pp. 343-368. *New York*, 1898.)

Higgs (H.) Expenditure of the working classes. (Popular Science Monthly. v. 57, pp. 527-39. New York, 1900. 8°.)

[Wages in the U. S.] U. S. Industrial Commission, Reports. v. 7. Washington, 1901. (Labor, manufactures and general industries.)

## - California.

Plehn (C. C.) Labor in California. (Yale Review. v. 4, pp. 409-18. New Haven, 1896. 8°.)

## --- Connecticut,

Wages paid for production. (Connecticut. Labor Stats. Bur. 4. ann. rpt., 1888, pp. 45-86.)

Rates of wages and hours of labor in organized labor. (Connecticut. Labor Stats. Bur. 14. ann. rpt., 1898, pp. 127-135.)

Industrial statistics. Connecticut. Labor Stats. Bur. 16. ann. rpt., 1900, pp. 17-95.)
With tables of wages, and comparative tables of wages paid by same establishments from 1896 to 1900.

#### - Iowa.

Classified wages. (Iowa. Labor Statistics Bureau. 4. bienn. rpt., 1890/91, pp. 172-207.)

Wage workers. (Iowa. Labor Statistics Bur. 5. bienn. rpt., 1892/93, pp. 286-309.)

With tables of wages, etc.

Wage earners of Iowa. Statistical tables. (Iowa. Labor Stats. Bur. 6. bienn. rpt., 1894/95, pp. 23-183.)

#### --- Kansas.

Labor statistics. (Kansas. Labor and Indus. Stats. Bur. 5. ann. rpt., 1890, pp. 197-391.)

With tables of wages.

Comparison of rate of daily wages and time lost for a series of years (1885-90). (Kansas. Labor and Indus. Stats. Bur. 7. ann. rpt., 1892, pp. 121-203.)

Wage-earners. (Kansas. Labor and Indus. Bur. 12. ann. rpt., 1896, pp. 61-95.)
With tables of wages.

#### ---- Maine.

**Tables** showing number of employees, and wages paid them in several industries. (Maine. State Dept. Statistics of the industries of Maine, 1886, pp. 83-92.)

Workingmen's and workingwomen's returns. (Maine. Indus. and Labor Stats. Bur. 2. ann. rpt., 1888. pp. 40-148.)

Tables of workingmen's returns. (Maine. Indus. and Labor Stats. Bur. 5. ann. rpt., 1891, pp. 17-148.)

## - Maryland.

Exhibit of the principal industries practiced in Maryland, showing the theoretical and actual wages earned. (Maryland. Indus. Stats. and Inform. Bur, 1. bienn. rpt., 1884/85, pp. 159-186.)

Wages tables of general trades. (Maryland. Indus. Stats. and Inform. Bur. 4. bienn. rpt., 1890/91, pp. 237-258.)

Wages and hours of labor in Baltimore trades. (Maryland. Industrial Statistics Bur. 6. ann. rpt., 1897, pp. 138-146.)

## - Massachusetts.

Classified weekly wages since 1885 are to be found in the Annual statistics of Manufactures, 1885 being in Vol. 1 (Manufactures) of the census of 1885, 1889 being in the Annual Report of the Labor Statistics Bureau for 1889.

Comparative wages: 1860–1883. Massachusetts and Great Britain. (Mass. Labor Stats. Bur., 15. ann. rpt., 1884, pp. 317–433.)

Oliver (H. K.) Report of H. K. O., deputy state constable specially appointed to enforce the laws regulating the employment of children in manufacturing and mechanical establishments; with notices of operative and adult child-life, and wages in Europe and Massachusetts. Boston: Wright and Potter, 1869. 105 pp. 8°.

**Tables** of wages. (Massachusetts. Labor Stats. Bur. 7. and 9. ann. rpts., 1876, '78.)

Table in 1876 rpt. gives wages and cost of living by counties; in 1878, gives percentage of increase in wages.

Wadlin (Horace G.) Classified weekly wages. Boston: Wright & Potter Prtg. Co., 1890. v, 403-443 pp. 8°. (Massachusetts Labor Statistics Bureau.) History, etc., United States, confd.
— Michigan.

Average wages paid mechanics and laborers, and female employés in Michigan. (Michigan. Labor and Indus. Stats. Bur. 16. ann. rpt., 1898, pp. 105-132.)

— Missouri,

Tabulated returns from wage-workers. (Missouri. Labor Stats. Bur. 4. ann. rpt., 1882, pp. 71-108.)

Table showing comparison of average wages received in different occupations in St. Louis, Kansas City and St. Joseph. (Missouri. Labor Stats. Bur. 12. ann. rpt., 1890, pp. 188-198.)

Nationality, average earnings and condition of skilled wage-workers. (Missouri. Labor Stats. and Inspection Bur. 21. ann. rpt., 1899, pp. 121-138.)

- Montana.

Tables of wages, etc., are given in each Ann. Rpt. of the Bureau of Agr., Lab. and Indus.

Miscellaneous wage items. (Montana. Agriculture, Labor and Indus. Bur. 7. rpt., 1900, pp. 255-260.)

355-360.)
With tables of average wages, in various occupations, for 1000 and other years.

- New Hampshire.

Wage-earners' statistics. (New Hampshire. Labor Bur. 2. ann. rpt., 1894, pp. 269-416.)

- New Jersey.

Wage statistics. New Jersey. (Labor and Indus. Stats. Bur. 11. ann. rpt., 1888, pp. 245-449.)

Current standard wage-rates. (New Jersey. Labor and Industries Stats. Bur. 20. ann. rpt., 1897, pp. 67-96.)

Movement (The) of wages and employment in New Jersey during 1899. (New Jersey. Labor and Industries Stats. Bur. 23. ann. rpt., 1900, pp. 147-164.)

- New York.

Annual wages paid in the productive industries of the state. (New York. Labor Stats. Bur. 14. ann. rpt., 1896, pp. 26-779.)
With tables of wages, 1891-95.

Maximum and minimum rates of wages reported by the trade unions of New York state in 1895 and 1900 (March 31) by trades and localities. (Bull. Bureau of Labor Statist. of New York. v. 2, pp. 255-265. Albany, 1900.)

- Ohio

Wages and earnings in Ohio. (Ohio. Labor Stats. Bur. 2. ann. rpt., 1878, pp. 7-10.)

—— Wisconsin.

Individual and trade statistics. (Wisconsin. Labor and Indus. Stats. Bur. 3. bienn. rpt., 1887/88, pp. 117-237.)
With table of wages.

## GARNISHMENT.

Arrestment of workmen's wages, and the truck shop. Memorial to Sir James Graham, Bart. . . . Glasgow: Chronicle Office, 1842. 15 pp. 8°.

Ador (E.) \*De la saisie-arrêt de salaires et petits traitements des ouvriers et employés (Loi du 12 Janvier, 1895). Douai: L. & G. Crépin, 1897. 256 pp., 2 l. 8°. (Faculté de droit de Lille.)

Payen (Édouard). Le crédit des ouvriers et la saisissabilité des salaires. (L'écon. français. année 28, v. 1, pp. 231-233. Paris, 1900.)

#### WAGES AND MONEY.

**Tilden** (Samuel Jones). Speech at New Lebanon, Oct. 3, 1840. On currency, prices and wages. 20 pp. [Albany, 1840.] 8°. (Rough Hewer extra.)

McVey (F. L.) Quality of money and wages. (In: Sound currency, 1895. New York, 1895. 8°. pp. 385-400.)

Free silver and wages. (Bradstreet's, Oct. 10, 1896. v. 24, pp. 644-45. New York, 1896. F°.)

Roberts (I.) Wages, fixed incomes, and the free coinage of silver; or, the danger involved in . . . the ratio of 16 to 1 . . . Philadelphia: J. Highlands, 1896. 176 pp. 2. ed. 12°.

Warner (J. D. W.) Wages vs. 16 to 1. New York: Present Problems Publ. Co., 1896. 32 pp. 16°. (Present problems. v. 1, no. 4.)

**Roberts** (G. E.) Money, wages, and prices. Chicago: Nat. Sound Money League, 1897. 96 pp. 12°. (National Sound Money League. Sound money pamphlets, D.)

— Money, wages, and prices. Chicago: National Sound Money League, 1897. 96 pp. sq. 12°. (National Sound Money League, Pamphlet D.)

With autograph of author.

Kinder (Francis Shanor). The effects of recent changes in monetary standards upon the distribution of wealth. (Amer. econ. assoc. Econ. studies. v. 4, pp. 409-499. New York, 1899.)

### PIECE RATE SYSTEM.

Roland (H.) Piece rate system. (Engineering Magazine. v. 12, pp. 831-7. New York, 1897. 8°.)

Piece work. (Engineering Magazine. v. 18, pp. 450-1. New York, 1899. 8°.)

Cokely (M.) Piece work as an agency in machine-shop cost reduction. (Engineering Magazine. v. 20, pp. 192-98. New York, 1900. 8.)

## PREMIUM PLAN.

**Halsey** (F. A.) The administration of the premium plan. (Amer. Machinist. v. 22, pp. 609-611; 631-632; 691-694. *New York*, 1899.)

— Experience with the premium plan of paying for labor. (Amer. Machinist. New York, 1899. 4°. v. 22, pp. 179–182.)

— The economics of the premium plan. (Amer. Machinist. v. 23, pp. 418-420. New York, 1900.)

Norris (H. M.) Actual experience with the premium plan. (Engineering Maga. v. 18, pp. 572-584; 689-696. New York, 1900.)

Halsey (F. A.) The national cash register company's experiment. (Amer. Machinist. v. 24, pp. 688-689. New York, 1901.)

Rowan (James). A premium system of remunerating labour. (Engineering. v. 72, pp. 383-384. London, 1901.)

Premium Plan, cont'd.

**Premium** (The) system. (Engineer. v. 93, p. 82. London, 1902.)

**Herbert** (E. G.) The premium plan at the works of David Rowan & Company. Piece work, the premium plan and Mr. Taylor's plan discussed. (Am. Machinist. v. 25, pp. 259-261. New York, 1902.)

#### IN PUBLIC CONTRACTS.

Taylor (Benjamin). Labour clauses in public contracts. (Cassier's Maga. v. 17, pp. 317-326. New York, 1900.)

Great Britain.—Education, Board of. Contracts for school boards (wages). Return showing in respect to each school board district in England and Wales, whether the contracts entered into . . . for the execution of works specify any conditions as to the wages to be paid by the contractor . . . London: Eyre & Spottiswoode, prts. [1900]. 48 pp. F°. (H. of C. pap. 334.)

Local Government Board. Contracts for local authorities (wages). Return "showing, in respect of each administrative county and each poor law union in England and Wales, whether the contracts entered into by the authority for the execution of works specify any conditions as to the wages to be paid by the contractor . ." London: Eyre & Spottiswoode, prirs. [1900]. 16 pp., I l. F°. (H. of C. pap. 296.)

Ireland.—Local Government Board. Contracts for local authorities (wages) (Ireland). Return showing, in respect of each county council, county borough council, rural and urban district council, body of town commissioners not an urban district council, and poor law union in Ireland, whether the contracts entered into . . . specify any conditions as to the wages to be paid by the contractor. Dublin: A. Thom & Co., Id., prts. [1900]. 16 pp. F°. (H. of C. pap. 312.)

#### REGULATION.

McArthur (Ellen A.) The regulation of wages in the sixteenth century. (Eng. Hist. Rev. v. 15. pp. 445-455. London, 1900.)

**Hewins** (W. A. S.) The regulation of wages by the justices of the peace. (Economic Jour. *London*, 1898. 8°. v. 8, pp. 340-346.)

**Hutchins** (B. L.) The regulation of wages by gilds and town authorities. (Economic Jour. v. 10, pp. 404-411. *London*, 1900.)

—— (Journal of the Department of Labor. v. 9, pp. 77-85. Wellington, New Zealand, 1901.)

Letter (A) addressed to the members of both Houses of Parliament, on the distresses of the hand loom weavers, as a remedy for which the expediency and practicability of a board of trade for the equalization of wages, is proposed and considered by the committee of manufacturers and weavers of the borough of Bolton. Bolton: A. R. Martin, 1834. 15 pp. 8°.

March (Lucien). Quelques examples de distribution des salaires. Contribution à l'étude comparative des méthodes d'ajustement. (Soc. de statist. de Paris. Jour. v. 39, pp. 193-206. *Paris*, 1898.)

## SLIDING SCALE.

Munro (J. E. C.) Les échelles mobiles des salaires en Angleterre. (Revue d'Economique politique. v. 5, pp. 327-355. *Paris*, 1891. 8°.)

Wadlin (H. G.) Graded weekly wages. Boston, 1897. 8°. (Mass. Labor Statistics Bureau. 27. ann. rpt., pp. 105-306.)

— Same, from 28. ann. rpt., pp. 43-310.

**Michel** (Georges). Les conseils de conciliation et l'échelle mobile des salaires dans ces dernières années. (L'économiste français. Année 27, v. 2, pp. 200-202. *Paris*, 1899.)

#### WAGES AND STRIKES.

Cranbrook (Z.) On wages in relation to trade unions and strikes. Addressed to the working classes. Edinburgh: A. Fullarton & Co., n. p. [1868]. 17 pp. 8°.

Osselin (A.) Les grèves et la question des salaires, solution pratique. *Paris: Cosse, Marchal & Cie*, 1870, vii, 9-70 pp., 1 l. nar. 16°.

#### SYSTEMS.

See also the subdivisions: PIECE RATE SYSTEM, PREMIUM PLAN, SLIDING SCALE, TRUCK SYSTEM in this list.

**Price** (L. L. F. R.) Sliding scales and other arrangements of wages in the north of England. (Royal Statistical Society Journal. v. 50, pp. 5-85. *London*, 1887. 8°.)

Schloss (David F.) Methods of industrial remuneration. London, Edinburgh, 1892. 8°.

Reland (H.) Contract system. (Engineering Magazine. v. 12, pp. 994-1000. New York, 1897. 8°.)

**Darlington** (P. J.) Methods of remunerating labor. (Engineering Maga. v. 17, pp. 444-454. New York, 1899.)

—— Systems for the remuneration of labor. (Engineering Maga. v. 17, pp. 925-936. New York, 1899.)

Richards (John). A logical system of wages. (Amer. Machinist. v. 22, pp. 787-789. New York, 1899.)

#### TABLES.

**Heasel** (Anthony). The servants' book of knowledge, containing tables of wages ready cast up... together with a table for marketing... To which are added plain and easy instructions for servants of both sexes. *London: J. Cooke*, 1773. 87 pp. 8°.

Zambrano (J. A.) Tarifas de sueldos é intereses. Obra util á toda clase de personas, y principalmente á los empleados de hacienda. *Mexico:* A. Boix, 1854. 52 pp. 2. ed. 8°.

Scott (James C.) The workman's manual; containing a table of reckoned wages, from one to twenty-two dollars per week; interest table, from one to twelve thousand dollars per month. Also, tables of the weights of metals, etc. *Philadelphia*: J. C. Scott, 1858. 24 pp. 12°.

Tables, cont'd.

Row (Nelson). The national wages tables, showing at a glance the amount of wages, from half an hour to sixty hours... also, from one-quarter of a day to four weeks, at \$1 to \$37 per week. 2d. ed. New York [1869]. 16°.

## WAGES AND THE TARIFF.

Hewitt (A. S.) Labor, wages and the tariff; remarks... delivered in the House of Representatives, March 30, 1882. Washington, 1882. pm. 8°. Sumner (W. G.) [Protective taxes and wages.]

n. t. p. [Washington, 1882.] 21 pp. pap. 8°. (U. S. Tariff Comm., 1882.)

— Protective taxes and wages [and examination of W. G. Sumner by the Tariff Commission in Philadelphia, 1882]. [Philadelphia, 1882.] 21 pp. 8°.

Foster (Frank K.) Protection vs. wages: a paper read before the labor congress at Cleveland, Ohio... New York repr.: New York Free Trade Club, 1883. 8 pp. 8°.

Cox (Samuel Sullivan). Our revenues and their treatment—wages and their causes—income and outgo. Speech in the House of Representatives March 20., 1884. Washington, 1884. 28 pp. 8°.

— Tariff and protection; profits and wages; women-workers and infants; toilers in the factories; wealth and poverty. Speech in the House of Representatives... May 2, 1884. n. p. [1884]. pp. 30. 8°.

With author's autograph letter.

**Donnell** (E. J.) Wages and tariffs. Influence of the protective system on wages, social organization and the distribution of wealth. An address delivered before the Brooklyn Revenue Reform Club, on May 8, 1884. With an appendix. New York: Wikox & O'Donnell Co. [1884]. 47 pp. 8°.

Hartshorn (E. A.) Wages, living and tariff. Troy, N. Y.: Wm. H. Young, 1884. 101 pp. 2. ed. 24°.

Rathbone (William). Protection and communism. A consideration of the effects of the American tariff upon wages. New York: G. P. Putmam's Sons, 1884. 42 pp. 12°. (Questions of the day, no. 15.)

Frye (W. P.) For the protection of New England homes... how wage earners live and are paid in free trade countries... Boston, 1887. 8°.

Taussig (F. W.) How the tariff affects wages. (Forum. v. 6, pp. 167-175. New York, 1888. 8°.)

Wells (D. A.) The relation of the tariff to wages... New York, 1888. 12°. (Questions of the day, no. 54.)

Warner (John de Witt). McKinley wages. Speech... July 26, 1892. [Washington? 1892?] 24 pp. 8°.

## THEORY: HISTORY.

Clark (J. B.) Recent theories of wages. (New Englander. v. 42, pp. 354-364. New Haven, 1883. 8°.)

**Grasiani** (Augusto). La teoria del salario nella storia delle dottrine e dei fatti economici. (Giornale degli economisti. ser. 2, v. 22, pp. 273–289. *Roma*, 1901.)

**McDonnell** (W. D.) A history and criticism of the various theories of wages... *Dublin*, 1888. 12°.

Neumann (Friedrich Julius). Zur Geschichte der Lehre von der Gravitation der Löhne nach gewissen Kostenbeträgen. (Jahrb. oekonomie u. Statistik. *Jena*, 1899. 8°. Ser. 3, v. 17, pp. 145-192.)

- General Works.

**Senior** (N. W.) Three lectures on the rate of wages, before the University of Oxford, 1830; with a preface on the causes and remedies of the present disturbances. *London*, 1830. 8°.

— Three lectures on the rate of wages, delivered before the University of Oxford, in Easter term 1830. With a preface on the causes and remedies of the present disturbances. London: J. Murray, 1831. xix, 57 pp. 2. ed. 12°.

**Production** the cause of demand: being a brief analysis of a work entitled "The Social System;—a treatise on the principle of exchange,"—by John Gray... 8 pp. Birmingham: Association for the dissemination of the knowledge of the principles of equitable labour exchange, 1832. 8°.

Jones (R[ichard]). An introductory lecture on political economy, delivered at King's College, London, 27th February, 1833. To which is added a syllabus of a course of lectures on the wages of labor . . . London: J. Murray, 1833. I p. l., 64 pp. 8°.

Tucker (G.) The laws of wages, profits and rent investigated. Philadelphia: Carey & Hart, 1837. v, 189 pp. 8°.

Stein (). Der Begriff der Arbeit und die Principien des Arbeitslohnes in ihrem Verhältnisse zum Socialismus und Communismus. (Zeitschrift für die gesamte Staatswissenschaft. 3 Bd., pp. 230-290. Tüingen, 1846. 8°.)

Faucher (Léon). [Review of] MacCulloch, "On the circumstances which determine the cost of wages. (Journal des Économistes. 11 année, Avril 1852, pp. 386-395. Paris, 1852. 8°.)

Wolkoff (Mathieu). Le salaire naturel d'après M. de Thunen. (Journal des Économistes. 15 année, mai 1856, pp. 263-270. Paris, 1856. 8°.)

Thünen (J. H.) Le salaire naturel, et son rapport au taux de l'interêt. Tr. de l'allemand par M. Wolkoff. Paris: Guillaumin & Cie.. 1857. vi, 7-255 pp. 8°.

**Philosophy** of wages. (Melioria. v. 1, pp. 227-237. *London*, 1858. 8°.)

**Marx** (K.) Value, price and profit; addressed to workingmen; [1865] Edited by . . . E.M. Aveling, with an introduction . . . by Lucien Sanial. *New York*: N. Y. Labor News Co. [1901]. xiii, 74 pp. 12°.

Scheel (H. v.) Zur Geschichte und Kritik der Lehre vom Arbeitslohn. (Jahrbücher für Nationalökonomie und Statistik. v. 9, pp. 280-309. *Jena*, 1867. 8°.)

McCulloch (J. R.) A treatise on the circumstances which determine the rate of wages and the condition of the labouring classes. London: Trübner & Co., 1868. x, 114 pp. 16°.

Brentano (L.) Die Lehre von den Lohnsteigerungen mit besonderer Rücksicht auf die englischen Wirthschaftslehre. (Jahrbücher für Nationalökonomie und Statistik. v. 16, pp. 251–281. *Jena*, 1870. 8°.)

Theory, General Works, cont'd.

Straeburger (Karl). Kritik der Lehre vom Arbeitslohn. (Jahrbücher für Nationalökonomie und Statistik. v. 17, pp. 298–341. *Jena*, 1871. 8°.)

— Statistischer Beitrag zur Lehre vom Arbeitslohn. (Jahrbücher für Nationalökonomie und Statistik. v. 18, pp. 125-147. *Jena*, 1872. 8°.)

Walker (F. A.) Wages fund theory. (North American Review. v. 120, pp. 84-118. New York, 1874. 8°.)

Altingdean (E.) Political economy. Subdivision—The (natural) law on wages paid for work according to the amount done (piece work) when the employer incurs charges in respect of the employment of the employed. London: Gilbert & Rivington, 1876. 32 pp. 16°.

**Denny** (William). The worth of wages. *Dumbarton* [Scotland]: Bennett Bros., 1876. vii, 23 pp. 8°.

Pierson (N. G.) Arbeitseinstellungen und Arbeitslöhne. (Zeitschrift für die gesamte Staatswissenschaft. 32 Bd., pp. 216-242. Tübingen, 1876. 8°.)

**Walker** (F. A.) The wages question: a treatise on wages and the wages class. *New York*, 1876. 8°.

**Dunbar** (C. F.) Walker on the question of wages. (North American Review. v. 124, pp. 305-310. *New York*, 1876. 8°.)

**Newcomb** (S.) Walker on the question of wages. (Nation. v. 23, pp. 12-13. New York, 1876. F<sup>5</sup>.)

**Macvane** (S. M.) Walker on wages. (Nation. v. 36, pp. 281-282. *New York*, 1882. 4°.)

Patten (S. N.) Walker's theory of distribution of wages and profits. (Quarterly Journal of Economics. v. 4, pp. 34-49. Boston, 1889. 8°.)

**Sedgwick** (H.) Wages fund theory. (Fortnightly Review. v. 32, pp. 401-432. *London*, 1879. 8°.)

**Thornton** (W. T.) Wages fund theory. (Nineteenth Century. v. 6, p. 293. *London*, 1879. 8°.)

Berg (C. P. J. van den). The theory of wages, translated from the Dutch. London: E. Marlborough & Co., 1880. I p. l., 25 pp. 8°.

Longe (F. D.) A critical examination of Mr. George's "Progress and Poverty," and Mr. Mill's theory of wages. London: Simpkin & Marshall [1883]. 58 pp. 8°.

Scudder (M. L.), jr. The labor-value fallacy. Chicago, 1884. 12°.

Atkinson (E.) What makes the rate of wages? American Journal of Social Science. v. 19, pp. 47-116. New York, 1885. 8°:)

— What makes the rate of wages? A treatise ... (In his: The distribution of products . . . Three essays . . . New York, 1885. pp. 9-189, 12°.)

Atkinson (Edward). [What makes the rate of wages?] Addenda to the second edition of the distribution of products. New York: G. P. Putnam's Sons, 1885. I p. l., 305-360 pp. 12°.

Crehore (C. F.) Elements of wages. (Quarterly Journal of Economics. v. 2, pp. 361-362. Boston, 1887. 8°.)

Schmidt (Conrad). Der natürliche Arbeitslohn. (Staatswissenschaftliche Studien. Bd. 1, Heft. 1. Jena, 1887. 8°.)

Walker (Francis A.) The source of business profits. Boston: G. H. Ellis, 1887. 26 pp. 8°.

Repr.: Quarterly journal of economics, April, 1887.

Clark (J. B.), and Giddings (F. H.) The modern distributive process...competition... profits...wages... Boston, 1888. 8°.

Levasseur (E.) La théorie du salaire. (Journal des Économistes. 4 série, 10 année, janvier 1888, pp. 21-50. *Paris*, 1888. 8°.)

Minton (F.) Capital and wages. London: K. Paul, Trench & Co., 1888. xxiv, 441 pp. 8°.

**Wood** (S.) New view of theory of wages. (Quarterly Journal of Economics. v. 3, pp. 60-86, 462-480. *Boston*, 1888. 8°.)

Clark (J. B.) Possibility of a scientific law of wages, 1889. (Amer. Econ. Assoc. Publications. v. 4, no. 7.)

Wood (S.) A critique of wages theories. Philadelphia, 1891. 8°.

· Repr.: Annals of the Amer. Acad. of Pol. and Soc. Sci.

—— Theory of wages. New York, 1889. (Amer. Econ. Assoc. Publications. v. 4, no. 7.)

Theory of wages, by S. Wood. Possibility of a scientific law of wages, by J. B. Clark. [Baltimore:] Amer. Econ. Assn., 1889. 69 pp. 8°. (Contributions to the wages question. Pub. of Amer. Econ. Assn., v. 4, no. 1.)

— The theory of wages. [s. t. p., 1889.]
35 pp. 8°.
Repr. from Amer. Econom. Assoc. Publication, March, 1889.

Walker (F. A.) Residual claimant theory of wages and rent. (Quarterly Journal of Economics. v. 5, pp. 417-438. Boston, 1890. 8°.)

Clark (J. B.) Law of wages and interest-(Annals of the American Academy of Political and Social Science. v. 1, pp. 43-65. *Philadelphia*, 1890. 8°.)

**Macvane** (S. M.) Boehm-Bawerk on wages and value. (Quarterly Journal of Economics. v. 5, pp. 24-43. *Boston*, 1890. 8°.)

Richards (J.) The law of wages, the rate and amount. San Francisco: San Fran. Ind. Pub. Co. [cop. 1890.] 3 p. l., 5-54 pp. 12°.

Wood (S.) Critique of theories of wages. (Annals of the American Academy of Political and Social Science. v. 1, pp. 426-461. *Philadelphia*, 1890. 8°.)

Ridder (). Von der Theorie des Arbeitslohnes. (Jahrbücher für Nationalökonomie und Statistik. 3. F., v. 4, pp. 673-687. *Jena*, 1892. 8°.)

**Thompson** (H. M.) The theory of wages and its application to the eight hours question and other labour problems. xxiv, 140 pp. London: Macmillan & Co., 1892. 12°.

Contento (Aldo). La teoria del salario nel concetto dei principali economisti. *Milano: Fratelli Dumolard*, 1894. 374 pp. 12°.

Komorsynski (Joh.) Thünens naturgemässer Arbeitslohn. (Zeitschrift für Volkswirtschaft, Socialpolitik und Verwaltung. Bd. 3, pp. 27-62. Prag, 1894. 4°.) Theory, General Works, cont'd.

Blatchford (Robert). The living wage, and the law of supply and demand. A letter to the colliers. 3. ed. I l., 12 pp. London: "Clarion" Newspaper Co., 1895. 8. ("Clarion" pamphlet. no. 2.)

Drake (C.) Iron law of wages. (American Magazine of Civics. v. 8, pp. 285-9. New York,

1896. 8°.)

**Levasseur** (E.) Les causes régulatrices du salaire. (Revue d'Économie politique. v. 10, pp. 211-231. *Paris*, 1896. 8°.)

**Pierson** (N[ikolaas] G[erard]). Eenige problemen met betrekking tot de theorie van het arbeidsloon. [Amsterdam, 1896.] 8°. (Versl. en med. afd. letterk. 3. reeks, deel xii, pp. 191-219.)

Taussig (F. W.) Wages and capital. An examination of the wages fund doctrine. xviii, 329 pp. New York: D. Appleton & Co., 1896. 12°.

Bernstein (Eduard). Zur Theorie des Arbeitswerths. (Neue Zeit. Jahrg. 18, v. 1, pp. 356-363; 398-404. Stuttgart, 1899.)

Block (Maurice). Le travail en soi. On ne paie pas le travail, mais ses résultats. (Institut de France. Acad. des sci. mor. et polit. Séances et travaux. n. s., v. 52, pp. 303-314. Paris, 1899.)

— Le travail en soi. On ne paie pas le travail, mais ses résultats. (Jour. d. Économistes. ser. 5, v. 39, pp. 161–169. *Paris*, 1899.)

**Lembke** (J. C.) Ueber einige Bestimmungsgründe des Arbeitslohnes. *Jena: G. Fischer*, 1899. vi, 128 pp. 8°.

Lexis (Wilhelm). Über einen neuen Versuch einer Arbeits- und Wert-theorie. (Jahrb. f. Gesetzgebung. v. 23, pp. 913-922. Leipzig, 1899.)

Menger (A.) The right to the whole produce of labour, the origin and development of the theory of labour's claim to the whole product of industry. Translated by M. E. Tanner. With an introduction and bibliography by H. S. Foxwell. London: Macmillan & Co., 1899. cxxiii, I l., 271 pp. 12°.

**Broglio d' Ajano** (Romolo). Ueber die Lohntheorie Paolettis. (Jahrbücher für Nationalökonomie und Statistik. 3 F., 20 Bd., pp. 521-523. *Jena*, 1900. 8°.)

Jäger (Oskar). Die Lohnfonds-Theorie. (Ztsch. f. Volkswirt. Socialpol. u. Verwaltung. v. 10, pp. 145-162. Wien, 1901.)

## ---- Miscellaneous.

Wages and the rate of profit. (Blackwood's Magazine. v. 5, pp. 171-173. Edinburgh, 1822. 8°.)
Torrens (R.) On Wages and Combination. 8°. London, 1834.

Garnier (Joseph). Étude sur la répartition de la richesse. Profits et salaires. (Journal des Économistes. 6. année, octobre, 1847, pp. 201-223; janvier, 1848, pp. 143-164. Paris, 1847-48. 8°.)

Calculation (A) of the result of the industry of 500 persons of the working classes. n. p. [1850?] 4 pp. 12°. (Social tracts. no. 2.)

**Walker** (A.) Wages. (Hunt's merchant's magazine. v. 31, pp. 179-188. *New York*, 1853. 8°.)

Sargant (W. L.) Economy of the laboring classes. London: Simpkin, Marshall & Co., 1857. 1 p. l., v-xii, 491 pp. 8°.

**Stallard** (J. H.) Wages and health. (Journal of the Society of Arts. v. 16, pp. 35-40. *London*, 1857. 8°.)

**Plummer** (J.) Word on wages. (Once a Week. v. 4, pp. 434-435. *London*, 1860.)

Engel (E.) Der Preis der Arbeit; zwei Vorlesungen. (Virchow, R. Samml., I Ser. Heft 20, 21.) Berlin, 1866. 8°.

**Leslie** (T. E. C.) Political Economy and the rate of wages. (Fraser's Magazine. v. 78, pp. 81-95. *London*, 1868.)

Leon (). Sur les moyens de diminuer le travail et d'augmenter les salaires. (Journal des Économistes, 3. série, 5. année, avril, 1870, pp. 66-74. Paris, 1870. 8°.)

Wages for factory labor. (Hunt's Merchants' Magazine. v. 63, pp. 116-118. New York, 1870. 8°.)

Godin (J. B. A.) Solutions sociales. Paris: A. Le Chevalier, 1871. 2 p. l., 111, 664 pp. 12°.

Du Puynode (Gustave). La question du salaire. (Journal des Économistes, 3. série, 7. année. mars, 1872. pp. 349-388. Paris, 1872. 8°.)

Brassey (Sir T.) On work and wages. London. 1873. 16°.

**Wages** and work. (Edinburgh Review. v. 138, pp. 171-188. *Edinburgh*, 1873. 8°.)

Aulnis de Bourouill (Johan d'). Het inkomen der maatschappij eene proeve van theoretische staathuishoudkunde... xiii, 215 pp. Leiden: S. C. van Doesburgh, 1874. 8°.

Curran (J. E.) Reducing wages to maintain rate of profit. (New Englander. v. 38, pp. 263-264. New Haven, 1879. 8°.)

Petit (Eugène). La retenue obligatoire sur les salaires. (Journal des Économistes. 4. série, 4. année, septembre, 1881, pp. 364-377. *Paris*, 1881. 8°.)

Atkinson (Edward). Address delivered at the opening of the second annual fair of the New England Manufacturers' and Mechanics' Institute, in Boston . . . September 6., 1882. Boston : Franklin Press, 1882. 32 pp. 8°. (Economic Tracts. No. 1. Distributed by the Soc. for Polit. Educ.)

**Kingsbury** (O. A.) Wages and Christianity. (New Englander. v. 41, pp. 548-559. *New Haven*, 1882. 8°.)

Sumner (W. G.) Wages. (Princeton Review. New series, v.10, pp. 241-262. New York, 1882. 8°.)

**Wright** (Carroll D.) Wages, prices and profits. (Princeton Review. New series, v. 10, pp. 1-15. *New York*, 1882. 8°.)

Hutchinson (J. C.) Wages and Progress. (Eclectic Magazine. v. 103, pp. 834-839. New York, 1884. 8°.)

Patterson (J. S.) Wages, capital and rich men. (Popular Science Monthly. v. 25, pp. 788-795. New York, 1884. 8°.)

Work and wages. (American Architect. v. 16, pp. 210-211. Buston, 1884. F°.)

Industrial Remuneration Conference. The report of the proceedings and papers read in Prince's Hall, Piccadilly, under the presidency of Sir Charles Dilke... Jan., 1885. London: Cassell & Co., 1885. xxiv, 528 pp. 8°.

Theory, Miscellaneous, cont d.

**Schoenhof** (J.) The industrial situation, and the question of wages; a study in social physiology. New York: N. Y. Free Trade Club, 1885. ix, 156 pp., I l. 12°.

**Giffen** (Sir R.) Wages. (Spectator. v. 59, pp. 109-110. London, 1886. F°.)

**Terry** (H. T.) Rates of wages. (New Englander. v. 45, pp. 798-807. *New Haven*, 1886. 8°.)

Wolff (G. D.) Question of wages. (American Catholic Quarterly. v. 11, pp. 322-344. *Philadelphia*, 1886. 8°.)

**Beauregard** (P.-V.) De la part relative attribuée aux salaires dans le produit net de l'industrie. (Revue d'Economie politique. v. 1, pp. 165-181. *Paris*, 1887. 8°.)

Burgess (William.) Land, labor and liquor. A chapter in the political economy of the present day. With introduction by W. H. Howland. Toronto: S. R. Briggs, 1887. xiv, 1 l., 7-312 pp. 12°.

Clark (E. G.) The people's right in wealth reduced to dollars and cents. New York, 1887. pm. 4°. (Toilers' tracts, July 4.)

Dana (R. H.) Rate of wages. (Nation. v. 46, p. 72. New York, 1887. 4°.)

Giddings (F. H.) Natural rate of wages. (Political Science Quarterly. v. 2, pp. 620-637. New York, 1887. 8°.)

Gunton (G.) Wealth and progress . . . New York, 1887. 8°.

**Hawley** (F. B.) Proportion of wages to other forms of income. (Quarterly Journal of Economics. v. 2, pp. 362-371. *Boston*, 1887. 8°.)

Marshall (A.) Wages and profits. (Quarterly Journal of Economics. v. 2, pp. 218-223. Boston, 1887. 8°.)

**Schmidt** (C.) Der natürliche Arbeitslohn. Jena, 1887. 8°. (Staatswiss. Studien. Bd. I. I Heft.)

Minton (). Wages and capital. (Saturday Review. v. 67, pp. 75-76. London, 1888. 8°.)

**Wages** in time and Wages in money. (Lend a Hand. v. 3, pp. 703-706. *Boston*, 1888. 8°.)

Giffen (R.) Gross and net gain of wages-(Contemporary Review. v. 56, pp. 830-843. London, 1889. 8°.)

—— New York, 1889. (Popular Science Monthly. v. 36, pp. 649-663. 8°.)

Wadlin (Horace G.) Relation of wages to the cost of production. Boston: Wright & Potter Prig. Co., 1890. v, 83 pp. 8°. (Massachusetts. Labor Statistics Bureau.)

From 20. ann. rpt. Mass. Labor Statistics Bureau.

**Apportionment** of wages and profits. (The Commercial and Financial Chronicle. v. 53, pp. 237-239. *New York*, 1891. F°.)

Wages of labor. (Educational Review. v. 171, pp. 208-233. New York, 1891. 8°.)

Brentano (L.) Les rapports entre le salaire, la durée du travail. (Revue d'Économie politique. v. 7, pp. 273-326. Paris, 1893. 8°.)

Levy (J. H.) The economics of labour remuneration. A lecture [delivered under the auspices of

the South Bristol Liberal Association, February 8th, 1894]. n. t. p. [London: P. S. King & Son, 1894.] I p. l., 16 pp. 12°.
Title taken from cover.

**Lubin** (David). Number 2 of "A novel proposition," showing how the rate of wages... and the demand for skilled labor is [sic] influenced the cost of transportation on farm products... Sacramento: D. Johnston & Co., 1894. 64 pp. 8°.

Salaire (Le) est-il le juste prix du travail? (Annales de la Société d'Économique politique. Séance du 5 décembre 1874. pp. 851-602. Paris, 1895.

K. (C. W.) Die ökonomische Selbstbefreiung der modernen Geistesarbeiter... Friedenau-Berlin: Fiedler & Kluge [1897]. 218 pp., t l. 8°.

**Lambert** (M.) Essai sur la protection du salaire. Économie politique et législation comparée. Avec une préface de Charles Gide. *Paris: L. La*rose, 1897. 2 p. l., xx, I l., 373 pp., 7 tab. 8°.

**Pesch** (H.) Lohnvertrag und gerechter Lohn. (Stimmen aus Maria-Laach. v. 52, pp. 22-30; 128-143; 253-267; 373-389; 491-507. *Freiburg*, 1897. 8°)

Platteau (E.) Notes au sujet des questions proposées à l'examen de la section; rapport présenté par E. P. . . . . Bruxelles : Bruylant-Christophe & Cie, 1897. Il pp. 8°. (Congrès international du commerce et de l'industrie organisé par l'union syndicale de Bruxelles. [Publications.] 1897.)

**Economics** of direct employment. With an account of the fair wages policy. *London: Fabian Soc.*, 1898. 15 pp. 8°. (Fabian Society tracts, no. 84.)

Irwin (M. H.) Problem of home work. (Westminster Review. v. 148, pp. 541-57. *London*, 1898. 8°)

March (Lucien). Quelques examples de distribution des salaires. (Journal de la Société de statistique de Paris. v.39, pp.193-206. Paris, 1898.

4°.)
Schoenhof (J.) Exports and wages. (Forum. v. 24, pp. 540-52. New York, 1898. 8°.)

Vogel (H.) Arbeitslöhne, Branntwein und Volksgesundheit. (Die Neue Zeit. 16. J. 2. Bd. pp. 569-572. Stuttgart, 1898. 8°.)

Wages and hours of labor. (Engineering. London, 1898. F°. v. 66, pp. 267-268.)

**Broglio d'Ajano** (R.) Il salario nella teoria e nella pratica. *Camerino: Tipografia Marchi*, 1899. 125 pp., 1 l. 8°.

**Dechesne** (Laurent). La productivité du travail et les salaires. (Revue d'Économie politique. v. 13, pp. 394-415; 460-502. *Paris*, 1899. 8°.)

Ely (Richard T.) Wages. (Progress. v. 4, pp. 673-678. New York, 1899.)

Maestre (Manuel Gil). La retribucción del trabajo. (Revista contemporánea. v. 114, pp. 192-214; 310-330; 429-442; 534-552; 639-659; v. 115, pp. 29-51; 113-135; 225-247; 337-370. Madrid, 1890.)

O'Kane (Michael M.) Wages and the principles of justice. (Amer. Catholic Quar. Rev. v. 24, pp. 172–183. *Philadelphia*, 1899.)

Theory, Miscellaneous, cont'd.

Orcut (H. F. L.) Labor-saving machines and low wage workers. (Engineering Magazine. v. 16, pp. 703-10. New York, 1899. 8°.)

Thurber (F. B.) Organization of industry. (Arena. v. 22, pp. 301-12. Boston, 1899. 8°.)

Wages (The) and savings of workingmen. [Review.] (Quar. Rev. v. 189, pp. 399-423. London. 1899.)

**Llano** (Antonio). Population and wages. The psychoeconomic check vs. the so-called instinct of reproduction. (Amer. Jour. of Sociology. v. 5, pp. 648-670. *Chicago*, 1900.)

**Nouvion** (Georges de). L'exposition d'économie sociale. La participation aux bénéfices. (Jour. d'économistes. ser. 5, v. 44, pp. 23-39. *Paris*, 1000.)

Waxweiler (E.) Quelques problèmes du salaire. (Rev. d'écon. polit. v. 14, pp. 456-468. Paris, 1900.)

Weitemeyer (M.) Die Arbeit und ihre soziale Bewertung ... Erfurt: C. Villaret, 1900. 26 pp. 8°.

Repr.: Jahrbücher der K. Akad. gemein. Wissenschaften zu Erfurt. N. F. Heft. 26.

**Diehl** (K.) Kornzoll und Sozialreform. *Jena:* G. Fischer, 1901. 57 pp. 8°.

Fristot (P.) Encore la question du salaire apropos d'un livre recent. (Études pub. par d. pères de la compagnie de Jésus. v. 86, pp. 66-83. Paris, 1901.)

Padan (R. S.) J. B. Clark's formulæ of wages and interest. (Jour. of Polit. Econ. v. 9, pp. 161-190. Chicago, 1901.)

Wood (George H.) Stationary wage-rates. (Econ. Jour. v. 11, pp. 151-156. London, 1901.)

#### TRUCK SYSTEM.

Remarks on the injurious effects of the truck system; with an appendix consisting of affidavits, etc. Dudley: Stanley [1830]. 20 pp. 8°.

Arrestment of workmen's wages, and the truck shop. Memorial to Sir James Graham, Bart.... Glasgow: Chronicle Office, 1842. 15 pp. 8°.

Anderson (Adelaide M.) Truck legislation in England and on the continent. (Jour. Soc. of Comparative Legislation. n. s., no. 3, pp. 395-406. London, 1899.)

**Béchaux** (A.) Le truck-system en Belgique. (Reforme soc. v. 40 (ser. 4, v. 10), pp. 462-463. *Paris*, 1900.)

#### WAGES OF WOMEN.

Webb (S.) Alleged differences in wages of men and women. (Economic Journal. v. 1, pp. 635-662. London, 1890. 8°.)

#### France.

Enseignement (De l') qui convient aux femmes. Des professions et du salaire des femmes. Annales de la Société d'Économie politique. Séance du 5 septembre 1860. pp. 157-169. Paris, 1891. 8°.)

5 septembre 1860. pp. 157-169. Paris, 1891. 8°.)

Salaire (Du) des femmes dans l'industrie. (Annales de la Société d'Économie politique, Seance du 5 mai, 1862, pp. 548-563. Paris, 1891. 8°.)

**Dronsart** (Marie). Salaires et misères de femmes. (Correspondant. v. 198 (n. s., v. 162), pp. 786-798. *Paris*, 1900.)

Haussonville ([G. P. O. de Cléron] d'), comte. Salaires et misères de femmes. Paris: C. Lévy, 1900. 2 p. l., xxxiii, 314 pp., 1 l. 12°.

## Germany.

Hirschberg (E.) Löhne der Arbeiterinnen in Berlin. (Jahrbücher für Nationalökonomie und Statistik. 2. F., 13. Bd., pp. 160–169. *Jena*, 1886.

Silbermann (Josef). Zur Entlohnung der Frauenarbeit. (Jahrb. f. Gesetzgebung. v. 23, pp. 1401-1444. *Leipzig*, 1899.)

#### Great Britain.

Collet (C. E.) Expenditure of middle-class working women. (Economic Journal. v. 8, pp. 545-53. London, 1898. 8°.)

## United States.

**Hyslop** (J. H.) Wages of shop-girls. (Andover Review. v. 16, pp. 455-479. *Boston*, 1891. 8°.)

United States.—Labor, Department of. [11] Annual report of the Commissioner of Labor, 1895-96. Work and wages of men, women and children. 671 pp. Washington: Gov't. Print. Off., 1897. 8°.

Made in accordance with joint resolution of Aug. 1, 1894.
Covers more specifically the employment, and wages of women and children as compared with employment of men in like occupations.

**Hammond** (M. B.) Women's wages in manual work. (Polit. Sci. Quar. v. 15, pp. 508-535. *Boston*, 1900.)

Tables of working women's returns. (Maine. Indus. and Labor Stats. Bur. 6. ann. rpt., pp. 57-158.)

## VARIOUS KINDS OF WAGES.

## HIGH WAGES.

Courcelle-Seneuil. De l'agitation pour la hausse des salaires. (Journal des Économistes. 2 série, 11 année, décembre, 1867. pp. 337-355. Paris, 1864. 8°.)

Atkinson (E.) High wages, low prices, small profits; what makes them? (Century. v. 12, pp. 568-584. New York, 1887. 8°.)

Black (C.) High wages; what they mean. (Longman's Magazine. v. 14, pp. 283-287. London, 1889. 8°.)

**Schoenhof** (J.) The economy of high wages... New York, 1892. 12°.

Lr.(M.) [Review of.] Schoenhof (J.), "Economy of high wages," 1892. (Journal des Économistes. 5 série, v. 12, décembre, 1892. pp. 412-423. *Paris*, 1892. 8°.)

Atkinson (Edward). The evolution of high wages from low cost of labor. (Appletons' Pop. Sci. Monthly. New York, 1898. 8°. v. 53, pp. 746-757.)

The evolution of high wages from low cost of labor. [New York: D. Appleton & Co.,] 1898. 12 pp. 8°.

**High** wages. (Spectator. *London*, 1899. F°. 82, pp. 336-337.)

Rinella (S.) Alti e bassi salari. (Ricerche sulla distribuzione della ricchezza.) Roma: C. Tessitori, 1899. 166 pp. 8°.

#### LOW WAGES.

Hopf (J.) Verkümmerung (Die) der Arbeits und Dienstlöhne. 40 pp. Gotha: R. Besser, 1868. 8°.

Offermann (A.) Das fictive Capital als die Ursache niedrigen Arbeitslohnes. (2) ll., 235 pp. Wien: J. Klinkhardt & Co., 1896. 8°.

#### MINIMUM WAGES.

Starvation wages and political economy. (Fraser's Magazine. v. 99, pp. 32-41, 697-702. London, 1878.)

Beveren (E. van). De noodzakelijkheid van het minimum van dagloon. Voordracht gehouden te Gent... Sept., 1887. 16 pp. Gent: J. Foucaert, printer, 1887. 12°.

Minimum (Le) de salaire et des adjudications de travaux publics par la section de legislation ouvrière de la Féderation bruxelloise. Rapporteur: L. Bertrand. Bruxelles: Vve Monnom, 1888. 106 pp., 1 l. 12°. (Fédération bruxelloise du parti ouvrier belge.)

Vereeniging voor de Staathuishoudkunde en de Statistiek. Praeadviezen over de vraag: Is het wenschelijk, dat bepalingen worden gemaakt, betreffende minimum loon en maximum arbeidsdur van de arbeiders werkzaam in dienst van openbare besturen, of bij de uitvoering van bestekken door die besturen vasgesteld? Te behandeln in de a. s. algemeene vergadering te houden te Amsterdam. Haarlem: J. Enschede & Zonen, 1895. 2 p. l., 160 pp. 4.

**Thomas** (H.) Living wage. (Westminster Review. v. 145, pp. 297-300. *London*, 1896. 8°.)

"Justo salaire" (Le) dans la colonie de Victoria. (Journal des Économistes. 5 série, v. 21, août, pp. 226-229. Paris, 1897. 8°.)

**LeFoyer** (Lucien). Le minimum de salaire en Belgique. (La Réforme sociale. 4 serie, tome 3, pp. 480-491, 539-565. *Paris*, 1897. 8°.)

— Le minimum de salaire en Belgique. Paris: V. Giard & E. Brière, 1897. 2 p. l., 96 pp. 12°.

**Bender** (É.) Le salaire effectif, sa protection par la loi. Avec préface de Paul Pic. *Paris: A. Rousseau* [1898]. 2 p. l., vii, 5-182 pp. 4°.

Macrosty (Henry W.) The recent history of the living wage movement. (Polit. Sci. Quar. v. 13, pp. 413-441. New York, 1898. 8°.)

Schwiedland (E.) Obligatorische Mindestlöhne in Victoria. (Jahrbücher für Nationalökonomie und Statistik. 3. F., 16. Bd., pp. 483-494. Jena, 1898. 8°.)

State arbitration and the living wage. With an account of the New Zealand law and its results...

June, 1898. London: Fabian Soc., 1898. 15 pp.
8°. (Fabian Society tracts, no. 83.)

**Baylee** (J. T.) Minimum wage, and the poor law. (Westminster Review. v. 152. pp. 628-40. London, 1900. 8°.)

**Smith** (E. J.) Living profit and a living wage. (Forum. v. 28, pp. 542-53. New York, 1900. 8°.)

**Vorschreibung** eines Minimallohnes bei Vergebung öffentlicher Arbeiten und Lieferungen. (Zeitschrift für Socialwissenschaft. 3. Bd. pp. 892-894. *Berlin*, 1900. 8°.)

Zwiedineck-Suedenhorst (O. von). Lohnpolitik und Lohntheorie, mit besonderer Berücksichtigung des Minimallohnes. *Leipzig: Duncker* & Humblot, 1900. xiv, 410 pp. 8°.

Das Problem des Minimallohnes im Lichte der christlichsocialen Literatur katolischer Richtung. (Ztsch. f. Volkswirt. Socialpol. u. Verwaltung. v. 9, pp. 182-198. *Wien*, 1900.)

Reeves (W. P.) The minimum wage law in Victoria and South Australia. (Economic Jour. v. II, pp. 334-344. London, 1901.)

— The minimum-wage law in Victoria and South Australia. (Jour. Dept. of Labour. v. 9, pp. 1189–1200. Wellington, New Zealand, 1901.)

## WAGES OF VARIOUS OCCUPATIONS.

## AGRICULTURAL LABOR.

#### Austria.

Austria. — Statistische Central-Commission. Die landwirtschaftlichen Löhne. Wien, 1895. F°. (Oesterreichische Statistik. v. 44<sup>1</sup>.)

Schullern-Schrattenhofen (Herman von). Die Lohnarbeit in der osterreichischen Ländwirtschaft und ihre Verhältnisse. (Zeitschrift für Volkswirtschaft, Socialpolitik und Verwaltung. v. 5, pp. 1-61. *Prag*, 1896. 4°.)

Arbeitslöhne und Arbeitsversassungen der österreichischen Landwirtschaft. (Zeitschrift für die gesamte Staatswissenschaft. v. 53, pp. 531-39. Tabingen, 1897. 8°.)

## Belgium.

An annual return of wages of agricultural laborers is given in Annuaire Statistique de la Belgique.

Salaires des travailleurs ruraux, en 1830, 1835, 1840, 1846. (Stat. de la Belgique. Agric. Recensement génér. 1846. v. 1, cc-ccx.)

**Population** agricole.—Salaires. (Stat. de la Belgique. Agric. Recensement génér. 1880. pte. 2, pp. 972-982.)

#### France.

Jonnès (Moreau). Travail et salaires agricoles en France. Statistique sommaire de la France. (Journal des Économistes. 9. année, octobre, 1850. pp. 201-215. *Paris*, 1850. 8°.)

#### Germany.

**Taglohnsätse** für landliche Arbeiter in Deutschland. (Annalen des Deutschen Reichs. 1875. pp. 629-634. *Leipsig*, 1875. 8°.)

**Harper** (J. W.) Agriculture of Bavaria. 1885. (U. S. Cons. Rpts. v. 19, pp. 358-365.)

With tables of average pay of laborers and costs of production of wheat during Feb. and June, 1885. Prices, wages and cost of production are given in text.

Edwards (W. H.) Agricultural wages in Germany. 1891. (U. S. Cons. Rpts. v. 35, pp. 161-201.)

## Great Britain.

**Brereton** (C. D.) A practical inquiry into the number, means of employment, and wages of agricultural labourers. *Norwich: J. Hatchard & Son*, 1824. I p. l., xxiv, 110 pp. 2. ed. 8°.

Purdy (F.) Agricultural wages in England and Wales. (Royal Statistical Society. Journal. v. 24, pp. 328-357. London, 1861. 8°.)

Agricultural Labor, Great Britain, cont'd.

Agricultural wages in Scotland and Ireland. (Royal Statistical Society. Journal. v. 25, pp. 425-490. London, 1861. 8°.)

Agricultural labourers' earnings. A return of the average rate of weekly earnings . . . in the unions of England and Wales in respect of . . . [quarters ended Michaelmas and Christmas, 1860; Lady Day and Midsummer, 1861; Michaelmas and Christmas, 1869; Lady Day and Midsummer, 1870; Michaelmas and Christmas, 1872]. [1861–1873.] (Great Britain. Parl. Papers. Sess. 1861, and fol-

Same, of agricultural labourers in Scotland, for the six months previous to . . . January, 1861. [1861.] 6 pp., 1 l. (Sess. 1861, (244.) v. 50.)

- Same, in Ireland . . . 1861. [1862.] 8 pp. (Sess. 1862, (2.) v. 60.)

Return of the average rate of weekly earnings of agricultural labourers in England and Wales, 1869-70. London, 1871. 31 pp. F°. (Great Britain. Parlt. Papers, 1871. v. 56.)

- Same, 1872. (In same, 1873. v. 53.)

Agricultural wages in the United Kingdom in 1900. Labour Gaz. v. 9, pp. 135-136. London, 1901.)

Fox (Wilson). Report on the wages and earnings of agricultural labourers in the United Kingdom, with statistical tables and charts. London: Eyre & Spottiswoode, prtrs., 1900. x, 296 pp., I map. F°. Cd. 346. (Great Britain. Labour Dept.)

Ireland.

See also Agricultural statistics of Ireland (British blue book). Reports from poor law inspectors on the wages of agricultural labourers in Ireland. Dublin, 1870. 156 pp. 8°. (Great Britain. Parlt. Papers, 1870. v. 14.)

Netherlands.

Netherlands .- Binnenlandsche Zaken, Dept. Van. Overzicht van de arbeidsloonen bij landbouw, veehouderij en tuinbouw in 1898. s'Gravenhage: Gebr. Belinfante, 1899. 4 p. l., 109 pp. F°. Bijlage van het verslag over den landbouw over 1896 en 1897.

Russia.

Karel (J.) Wages and agricultural machinery in Russia. 1897. (U. S. Cons. Rpts. v. 55, pp. 366-369.)

With tables of wages during 1895-97, and daily and monthly

Sweden.

Winslow (E. D.) Farm laborers' wages in Sweden. 1900. (U. S. Cons. Rpts. v. 64, pp.

United States.

Wages of farm labor in the U.S. Results of eleven statistical investigations, 1866-1899. Prepared under the direction of the statistician. Washington: Govt. Prig. Office, 1901. 47 pp. 8°. (Div. of Statistics. Misc. Bull. 22.)

- of farm labor. (The Commercial and Financial Chronicle. v. 46, pp. 786-789. New York, 1888. F°.)

Connecticut.

Wages on the farm. (Conn. Labor Stats. Bur. 8. ann. rpt. 1892, pp. 235-241.) With comparative tables, 1866-92.

#### - Maine.

Wages of farm laborers in Maine. (Maine. State Dept. Statistics of the industries of Maine. 1886, p. 31.)
With table showing fluctuations since 1866.

#### BUILDING TRADES.

Nouveau tarif de prix des divers ouvrages de bâtiments, revu, corrigé et adopté par la Chambre Syndicale des Entrepreneurs. Angers: G. & G. Grassin, 1897. I p. l., 392 pp. 16°.

#### COAL MINERS.

#### Austria.

Hossfeld (F. W.) Coal strikes and miners' wages in Austria. 1900. (U. S. Cons. Rpts. v. 63, pp. 195-197.)

With table of wages paid in 1880, '85, '90, '95, '98, and '99.

## Belgium.

Waxweller (E.) Die belgische Lohnstatistik und die Lohngestaltung der Kohlenarbeiter 1896-1900. (Jahrb. f. Nationalökonomie u. Statistik. ser. 3, v. 22, pp. 161-187. Jena, 1901.)

#### Canada.

Myers (L. W.) Coal mines of Vancouver Island. 1892. (U. S. Cons. Rpts. v. 40, pp. 23-31.) With table of wages.

Germany.

Warner (W. D.) Coal miners' wages in Germany. 1890. (U. S. Cons. Rpts. v. 33, pp. 662-

With comparative table of average wages for last quarter of 1889, and first quarter of 1890.

Statistische Mittheilungen über die beim Bergbau Preussens im Jahre 1900 gezahlten Arbeitslöhne und erzielten Arbeitsleistungen. (Ztsch. f. d. Berg.-Hütten. u. Salinen-Wesen. v. 49, pp. 29-44. Berlin, 1901.)

## Great Britain.

France. - Commerce, Ministère du. Reglement des salaires dans le district houiller du Monmouthshire et du pays de Galles. [Paris:] P. Dupont [1892]. 7 pp. 8°. (Raps. com. des agts. dipl. et cons. de France. no. 13.)

## United States.

Anthracite coal miners' wages. (Annals of the American Academy of Political Science. v. 16, pp. 497-99. Philadelphia, 1900. 8°.)

## DOMESTIC SERVANTS.

Wilson (G. P.) A letter to the gentlemen of Great Britain and Ireland, on the rate of wages that they are now paying to their men-servants; with an account of the duties and annual wages of stewards, butlers, gardeners [etc.] . . . London: T. & J. Allman, 1823. 48 pp. 8°.

Smith (J. T.) Kitchens and wages. (Catholic World. v. 44, pp. 779-786. New York, 1887. 8°.)

Collet (Clara E.) Report on the money wages of indoor domestic servants. London, 1899. 50 pp. 8°. (Br. Parlt. Papers, 1899. v. 92.)

Civic Club of Philadelphia.—Social Science Sec. Standards of work and wages in household labor. Philadelphia, n. d. 2 l. 8°.

## IRON AND STEEL TRADES.

#### Germany.

**M.** (E.) Die Arbeitslöhne in der niederrheinischwestfälischen Eisenindustrie. (Berg- und huettenmaennische Zeitung. Jahrg. 60, p. 107. Berlin, 1901.)

#### Great Britain.

Locke (R.) Iron workers' wages in the north of England. Dec., 1884. (U. S. Cons. Rpts. v. 15, pp. 127-129.)

#### United States.

Census revelations respecting the wages of labor and the profits of mine, furnace and mill owners in the iron and steel industries of the United States. New York: The New York Free Trade Club, 1882. 24, vii pp. 8°.

Garrett (William). Wages and labour in the American iron and steel trades. (Cassier's Magazine. v. 21, pp. 147-150. New York, 1901.)

## JUDGES.

**Bentham** (Jeremy). Indications respecting Lord Eldon, including history of the pending judges'-salary-raising measure. London: J. and H. L. Hunt, 1825. 85 pp. 8°.

## MILL WORKERS.

**Tanner** (G. C.) Mill wages in Belgium. March, 1883. (U. S. Cons. Rpts. v. 10, pp. 155-156.)

#### MINERS.

See also Wages of Coal Miners, above.

Giffen (R.) Wages in British mines and quarries. (Royal Statistical Society, Journal. v. 54, pp. 663-688. London, 1891. 8°.)

Angell (S. H.) Mines and mining in France. 1804. (U. S. Cons. Rpts. v. 46, pp. 186–189.) With tables giving wages of coal and other mining employes in 1802.

**Winslow** (E. D.) Iron mining and wages in Sweden. 1898. (U. S. Cons. Rpts. v. 58, pp. 573-575.)

## MINT WORKERS.

Lohn und Dienstverhältnisse beim k. k. Hauptmünzamte in Wien. (Mittheil. d. k. k. Finanz-Ministeriums. Jahrg. 5, pp. 636-684. *Wien*, 1899.)

## NAPHTHA INDUSTRY.

Löhne im galizischen Naphthabetriebe des Jahres 1899. (Sociale Rundschau. Jahrg. 2, pp. 636–637. *Wien*, 1901.)

## POTTERY WORKERS.

Burgess (W.) Staffordshire vs. American pottery. 1891. (U. S. Cons. Rpts. v. 37, pp. 41-64) With comparative tables of making-price of molds, and of wages.

## PUBLIC OFFICIALS.

## Austria.

**Neuen** (Die) Gehalts- und Pensionsgesetze der Staatsbeamten und Hochschulprofessoren. (Ztsch. f. Volkswirt. Socialpol. u. Verwaltung. v. 7, pp. 596-609. *Wien*, 1898.)

**Possanner** (B. von), Freiherr. Die Pensionen und Provisionen der k. k. österr. Civilstaatsbediensteten und Staatsarbeiter sowie die Versorgungsgenüsse ihrer Hinterbliebenen. Wien: Mans, 1898. xliv, 966 pp. 8°.

Issued in 12 parts.

#### Germany.

Radloff (Ludwig). Die Lage der Bureauangestellten. (Neue Zeit. Jahrg. 17, v. 2, pp. 626-630. Stuttgart, 1899.)

#### Great Britain.

Fortescue (H. F.) Official salaries; letters to the electors of Plymouth and to Lord John Russell. London, 1851. 16°.

**Smee** (William Ray). A Proposal to increase the smaller salaries under Government. London: P. Richardson [1860]. 31 pp. 8°.

## United States.

**Dialogue** between a one thousand dollar clerk and a member of Congress. *Washington: J. Gideon, Jr.*, 1836. 12 pp. 8°.

Green (D. S.) Government salary - tables adopted by the comptrolling officers of the treasury department. Washington: Govt. Prtg. Office, 1872. 7-124 pp. 8°. (U. S. Treasury Department.)

Copp (Henry N.) United States salary list and the civil service law, rules and regulations, with specimen examination questions in the Custom House, Post Office and classified Departmental service. Washington, D. C.: H. N. Copp, 1883. 4 p. l., 143 pp. 8°.

Steele (Adelbert H.) Shabby salaries of our public officials. (Gunton's Magazine. v. 18, pp. 419-428. New York, 1900.)

## RAILWAY EMPLOYEES.

**Godkin** (E. L.) Wages of railroad employees. 1877. (Nation. v. 25, pp. 99-100. *New York*, 1877. F°.)

Wages (The) of railway employees. (The Commercial and Financial Chronicle. v. 51, pp. 855-856. *New York*, 1890. F°.)

## SALT WORKERS.

Kramar (Karel). Die staatliche Lohnpolitik und die Lage der arbeiter in den Salinen des Salzkammergutes bis zum Jahre 1748. (Jahrbücher für Nationalökonomie und Statistik. 3. F. 11. Bd. pp. 321-366. *fena*, 1896. 8°.)

#### SEAMEN.

Wages of seamen (American and foreign). (U. S. Navigation Comr. [Treas.] Rpt., 1894. pp. 23-44.)
Continued each year thereafter.

Russell (C. T.) Seamen's wages. (U. S. Cons. Rpts. v. 25, pp. 284-285.)
With tables of wages paid by various nationalities.

Wages paid seamen of various nationalities at foreign ports. (Marine Engineering. v. 5, pp. 237-240. *New York*, 1900.)

## Great Britain.

Seamen's wages. Rates of wages paid per month to able seamen in various trades, in the ports of Bristol, Glasgow, Liverpool, London, Newcastle and Shields, in 1848, 1850, 1860, 1875, 1880, 1885-89. (Financial Reform Almanack, 1891. p. 86. London, 1891. 8°.)

**Keogh** (G. D.) Seamen's advance notes. (Law Maga. & Rev. v. 26, pp. 209-219. *London*, 1901.)

Seamen, conta.

Greece.

McGinley (D. E.) Merchant marine of Greece. 1900. (U. S. Cons. Rpts. v. 63, pp. 354-355.) With tables of wages of shipbuilding laborers and seamen.

#### Russia.

Holloway (W. R.) Merchant marine of Russia. 1900. (U. S. Cons. Rpts. v. 63, pp. 87-92.) With table of wages paid on commercial vessels.

#### Sweden.

Winslow (E. D.) Merchant marine of Sweden. 1900. (U. S. Cons. Rpts. v. 62, pp. 310-311.) With tables of wages.

#### SHIPBUILDERS.

Frye (W. G.) Wages and ship-building in Nova Scotia. 1890. (U. S. Cons. Rpts. v. 32, pp. 457-461.)

United States.—Foreign Commerce Bureau. Wages of steamship building and crews, 1894. (Cons. Rpts. v. 46, pp. 289-309.)

With tables of wages paid in Austria, France, Germany, Italy, the Netherlands, Russia and the United Kingdom.

Wages paid mechanics in the private shipyards of foreign nations. (Marine Engineering. v. 5, pp. 202-204. New York, 1900.)

## TEACHERS.

Clark (John B.) Salaries of teachers. (Columbia Univ. Quar. New York, 1899. 8°. v. 1, pp. 111-122.)

McAndrew (William). Plain words on teachers' wages. (World's work. v. 3, pp. 1737-1742. New York, 1902.)

## United States.

#### New York City.

New York State.—Statutes. An act to provide necessary funds to pay arrears of salaries of teachers and other employees of the school board for the borough of Richmond in the city of New York. Jan. 3, 1900. n. p., n.d. 2 pp. 4°. (Sen. 12.)

An act relating to the payment of teachers' salaries in the city of New York. Jan. 3, 1900. n. p., n. d. 2 pp. 4°. (Sen. 3.)

---- Same. Jan. 3, 1900. (Ass. 17.)

## Pennsylvania.

Pennsylvania. — Equalization Committee. Communication to the Sectional Boards from the committee . . . of the salaries of teachers, in the first school district of Pennsylvania. Presented June 24, 1848. Philadelphia: J. Severns & Co., printers, 1848. 24 pp. 8°.

## TEXTILE INDUSTRIES.

**Lincoln** (G. F.) Wages in the cotton industries of the world, 1892. (U. S. Cons. Rpts. v. 40, pp. 450-454.)

Arbeitslöhne in der europäischer Textilindustrie. (Schweizerische Blätter für Wirtschafts und Socialpolitik. v. 2. Bd. 1, pp. 295–297. Basel, 1894. 8°.)

## Belgium.

Osborne (J. B.) Trade and industries of Ghent, 1892. (U. S. Cons. Rpts. v. 40, pp. 1-10.)
With table of wages to flax workers.

**Brabrook** (C. B.) Wages in the cotton industry of Ghent, according to sex and age. (Royal Statistical Society. Journal. v. 64, pp. 298-301. London, 1901. 8°.)
Contains statistics.

#### Germany.

Bischoff (O.) Textile industries in Thuringia. 1886. (U.S. Cons. Rpts. v. 19, pp. 412-424.)
With table of average weekly wages and number of employes in fiannel factory in Pressnick, and retail prices for food.

Edwards (W. H.) Trade and industries of Germany. 1890. (U. S. Cons. Rpts. v. 33, pp. 627-657.)

With table giving wages paid at Gera in wool manufactures.

Opp (F.) Wages in Silesian flax mills. 1893.
(U. S. Cons. Rpts. v. 43, p. 146.)

## Great Britain.

Return of rates of wages in the principal textile trades of the United Kingdom, with report thereon. London, 1889. xxxviii, 152 pp. F°. (Great Britain. Parl. Papers. Sess. 1889, c. 5807, v. 70.)

Return of rates of wages in the minor textile trades of the United Kingdom. London, 1890. xxviii, 70 pp. F°. (Br. Parl. Paper, 1890. v. 68.)

Jarrett (J.) Carpet manufacture in Birmingham. 1891. (U. S. Cons. Rpts. v. 35, pp. 454-457.)

With table of wages.

**Niecker** (C.) Weavers' wages in Bradford. 1896. (U. S. Cons. Rpts. v. 53, pp. 173-175.)

McFarland (S. C.) Hosiery and knit underwear in England. 1899. (U. S. Cons. Rpts. v. 61, pp. 349-357.)

With table of average earnings.

#### Japan.

Pratt (E. S.) Cotton mills of Japan. 1895. (U. S. Cons. Rpts. v. 50, pp. 289-293.) With table giving wages of workmen and prices of yarn, 1893.

## Spain.

**Bowen** (H. W.) Spanish industries. 1895. (U. S. Cons. Rpts. v. 50, pp. 310-317.) With table of wages of cotton-thread workmen.

#### Switzerland.

**Löhne** der Hürlimann 'schen Spinnerei in Rappersweil, von 1835–1872. (Zeitschr. Schweiz. Stat. 8. Jahrg. 1872, p. 67.)

## United States.

Textile industries of Connecticut. (Conn. Labor Stats. Bur. 14 ann. rpt. 1898, pp. 15-100.)
With tables of wage rates and rates paid for rent.

## TIN WORKERS.

**Phillips** (D. T.) Wages of Welsh tin workers. 1898. (U. S. Cons. Rpts. v. 59, pp. 78-79.)

## A CHECK LIST OF WORKS IN THE NEW YORK-PUBLIC LIBRARY RELATING TO CORN LAWS.

\*All works here noted are located in the Astor branch. This list does not pretend to be exhaustive. Reference should be made also to Hansard's *Debates* for the various periods in which the question was discussed in Great Britain, to Poole's *Index*, to the systematic and comprehensive works on economics, and to the list of works on Prices—particularly Prices of grain—in the *Bulletin*, vol. 6, pp. 115 to 159. A summary of corn law legislation up to 1815 is given in Acland and Ransome's *Political history of England* (London, 1894), p. 190, and from 1815 to 1869 on pages 272-273. The text of the laws will be found in the British *Statutes* (2d revised edition, 16 volumes), at the Lenox Branch.

## HISTORY.

**Thomasius** (C.) \*De jure circa frumentum praecipuè de fructibus & frumento in genere deque turâ rei annonariæ & prohibitâ frumenti exportacione, etc. Francofurti, 1678. 40 pp. 12°.

Compendium of the laws relating to foreign corn, from 1660; accounts shewing operation of the several statutes, and average prices of corn. *London*, 1826. 8°.

\_\_\_\_\_ 1827. 2 p. l., 61 pp. 2. ed. 8°. \_\_\_\_ 1833. 2 p. l., 71 pp. 8°.

**Thornton** (H.) Historical summary of the corn laws, containing the substance of the statutes passed from the year 1660, for regulating the importation and consumption of foreign, and the exportation of British corn. With notes and an appendix of statements illustrative of the operation of the several statutes. London: J. Ridgway, 1841. iv, 56 pp. 4 tab. 8°.

Platt (J. C.) History of the British corn-laws. (In: Library (The) of commerce . . . New York, 1845. 12°. v. 1., pp. 121-231.)

Ashworth (H.) Recollections of Richard Cobden, and the Anti-corn law league. London: Cassell, Petter & Galpin [pref., 1876]. v. p., 3 tab. 8°.

Faber (R.) Die Entstehung des Agrarschutzes in England. Strassburg: K. J. Trübner, 1888. vi, 1 l., 173 pp. 8°. (Staatswiss. Seminar Strassburg. i. E. Abhandl. 5.)

Biollay (L.) Études économiques sur le xviiie siècle. Le pacte de famine. L'administration du commerce. Paris: Guillaumin & Cie., 1885. 2 p. l., 547 pp. 8°.

Naudé (Wilhelm). Die Getreidepolitik der Päpste. [Von Professor Umberto Benigni.] (Jahrb. f. Gesetzgebung, v. 23, pp. 763-785. *Leipsig*, 1899.)

## POETRY.

Elliott (Ebenezer). The splendid village: corn law rhymes; and other poems. London, 1834-35. 3 v. port. 16°.

--- Poems, with an introduction by Rufus W. Griswold. New York: Leavitt and Allen, 1853. 16°.

## REGIONAL.

#### France.

[Necker (Y.)] Sur la législation et le commerce des grains. Paris: Pissot, 1775. 2 v. in 1.

Creusé-Latouche (J. A.) Rapport des deputés de la Convention Nationale réunis pour présenter leurs idées en faveur de la liberté entière du commerce des grains. Paris: Imp. nat., 1792. 48 pp. 8°.

Bourbon de la Crosnière (Léonard Jean Joseph). Rapport fait à la Convention Nationale, au nom des comités d'agriculture et de salut public [relative to a proposed corn law]. [Paris: Imprimerie Nationale, 1794?] 29 pp. 8°.

Guyot (Y.) The French corn laws. Translated by J. W. Probyn. *London*, 1888. 32 pp. 12°. (Cobden Club [Publications].)

## Germany.

Roscher (Wilhelm). Ueber Korntheuerungen. Ein Beitrag zur Wirthschaftspolizei... Stuttgart: J. G. Cotta, 1847. xii, 1 l., 82 pp. 8°.

#### Great Britain.

State (The) of the corn trade considered: in answer to all the objections against the bounty granted to encourage the exportation of corn, and its influence on the landed and navigation interest clearly and fully explained. London: S. Birt, 1753. 30 pp. 12°.

Lotter (A) to a member of Parliament. Proposing amendments to the laws against forestallers, ingrossers, and regraters. And recommending means to prevent for the future extravagant high prices of corn in this kingdom. And also giving reasons for repealing, or at least altering, the law allowing bounty-money on the exportation of wheat to foreign parts. London: T. Longman, 1757. 28 pp. 8°.

**Sentiments** of a corn-factor, on the present situation of the corn trade. 31 pp. *London: J. Richardson*, 1758. 8°.

[Smith (Charles).] A short essay on the corn trade, and the corn laws... *Edinburgh*, 1758. vi, 5-59 pp. 8°.

Short (A) essay on the corn trade, and the corn laws; containing a general relation of the present method of carrying on the corn-trade, and the purport of the laws relating thereto in this kingdom. First printed in 1758. London, 1767. 235 pp. 8°.

**Short** (A) essay on the corn trade, and the corn laws. Containing a general relation of the present method of carrying on the corn-trade, and the purport of the laws relating thereto in this kingdom. First printed in 1758 [by Charles Smith]. (In his: Three tracts on the corn-trade. *London*, 1767. 8°. pp. 1-68.)

Considerations on the laws relating to the importation and exportation of corn. Being an inquiry what alteration may be made in them for the benefit of the public. Wrote in the beginning of the year 1759 [by Charles Smith]. (In his: Three tracts on the corn-trade. London, 1776. 8°. pp. 60-04.)

—— on the laws relating to the importation and exportation of corn... (In: Short (A) essay on the corn trade, and the corn laws... London, 1767. 8°. pp. 69-94.)

[Smith (C.)] A collection of papers relative to the price, exportation, and importation of corn: with some observations and calculations, shewing what the nation may be supposed to have gained by giving the bounty on the exportation... [By Charles Smith.] (In his Three tracts on the Corntrade. London, 1766. 8°. pp. 95-148.)

[——] Three tracts on the corn-trade and corn-laws: viz. I. A short essay on the corn-trade and the corn laws... first printed in 1758. 2. Considerations on the laws relating to the importation and exportation of corn... wrote in the ... year 1759. 3. A collection of papers relative to the price, exportation and importation of corn... To which is added, a supplement. Containing several papers and calculations which tend to explain and confirm what is advanced in the foregoing tracts. [By Charles Smith.] London: The author, 1766. 2. ed. iv, 236 pp. 8°.

Appeal (An) to the public; or, Considerations on the dearness of corn. Wherein the vulgar ideas are exposed; the mistakes of some writers discovered; the pretended and true causes examined; the best preventives elucidated... London: G. Keith, 1767. iv, 5-59 pp. 8°.

[Hustler (J.)] The occasion of the dearness of provisions, and the distress of the poor: with proposals for remedying the calamity... wherein the policy of the bounty given upon the exportation of corn, the inclosing of commons, and enlarging of farms, are impartially considered. With some remarks on a late pamphlet, intituled, A letter to a member of Parliament, on the present distresses of the poor. By a manufacturer [i.e., John Hustler]. London: W. Owen, 1767. 3-49 pp. 12°.

Considerations on the effects which the bounties granted on exported corn, malt, and flour, have on the manufactures of the kingdom, and the true interests of the state. With a post[s]cript, containing remarks on a pamphlet lately published, intituled, Thoughts on the causes and consequences of the present high price of provisions. London: T. Cadell, 1768. vii, 103 pp. 8°.

Farmers (The) address to their representatives. London, 1768. 8°.

Wimpey (Joseph). Defence of Thoughts upon . . . the exportation of, and bounty upon corn; on the high price of provisions, etc. . . . London [1770]. 8°.

[Young (A.)] The expediency of a free exportation of corn at this time: with some observations on the Bounty, and its effects. To which is added, An Appendix, in answer to a pamphlet lately published, entituled "Thoughts upon several interesting subjects." By the Author of the Farmer's Letters to the people of England [i. e., Arthur Young]. London: W. Nicoll, 1770. 74 pp. 2. ed.

**Sketch** (A) of a plan for reducing the present high price of corn and other provisions, and for securing plenty of both for the time to come. In a letter to a member of Parliament. [Signed Pamphilus.] London: M. Hingeston, 1772. I p. l., 27 pp. 8°.

Enquiry (An) into the nature of the corn-laws. with a view to the new corn-bill proposed for Scotland. Edinburgh: Mrs. Mundell, 1777. 60 pp. 8°.

Abstract of Corn Acts; with extracts from the report of the select committee appointed to take into consideration an Act...initialed, "An Act for further regulating...the importation and exportation of corn and grain."... To show the necessity of the bill for further regulating...corn. London: Logographic Press, 1785. Ip. l., 3Ipp. 8°.

Considerations on the Corn Laws, with remarks on the Observations of Lord Sheffield on the Corn Bill, which was printed by order of the House of Commons in December, 1790. [By Edgar Corrie.] London: J. Stockdale, 1791. 72 pp., 1 l., 1 pl. 8°.

Mitford (William). Considerations on the opinion stated by the Lords of the Committee of Council, in a representation to the King, upon the Corn Laws, that Great Britain is unable to produce corn sufficient for its own consumption. And on the Corn-bill now depending in Parliament. London: J. Stockdale, 1791. 77 pp. 8°.

**Sheffield** (I. earl of) John [Baker Holroyd]. Observations on the corn bill, now depending in Parliament. London: J. Debrett, 1791. I p. l., 83 pp. 8°.

\_\_\_\_ 2. ed. 8°. \_\_\_\_ 3. ed. 8°.

**Sinclair** (Sir John, bart.) Address to the landed interest, on the Corn bill now depending in Parliament. London: T. Cadell, 1791. 40 pp. 8°.

Letter (A) to Sir T. C. Bunbury, Bart., one of the members of Parliament for the county of Suffolk, on the poor rates, and the high price of provisions, with some proposals for reducing both. By a Suffolk gentleman. *Ipswich: G. Jermyn*, 1795. 28 pp. 8°.

One cause of the present scarcity of corn, pointed out, and earnestly recommended to the serious consideration of the people... By a physician. London: W. Miller, 1795. 30 pp. 8°.

**Pownall** (Thomas). Considerations on the scarcity and high prices of bread-corn and bread

at the market; suggesting the remedies in a series of letters... Cambridge: F. Hodson, 1795. viii, 58 pp. 8°.

**Dirom** (Alexander). An inquiry into the corn laws and corn trade of Great Britain and their influence on the prosperity of the Kingdom... To which is added a supplement by William Mackie... bringing down the consideration of the subject to the present time. Edinburgh: W. Creech, 1796. xi, 262 pp., 1 l., 54 pp. 4°.

Chalmer (Francis). Letters on the corn-trade; giving an account of the causes of the first scarcity, in 1795. Being prefatory to an appeal to the County of Lancaster, on the scarcity in 1800... Addressed to Col. Stanley. Liverpool: F. Chalmer [1798]. 46 pp. 12°.

Written in 1797 and printed in 1798.

Address (An) to farmers, on the way in which their families are to be provided for. [Signed: A farmer's son.] [Manchester: J. Gadsby, 18—.] 4 pp. 8°.

Anderson (James). A calm investigation of the circumstances that have led to the present scarcity of grain in Britain: suggesting the means of alleviating that evil, and of preventing the recurrence of such a calamity in future. (Written Dec., 1800.) London: J. Cumming, 1801. 2 p. l., 94 pp., I tab. 8°.

Authorities against the corn laws. [Manchester: J. Gadsby, 18-.] 2 pp. 8°.

Inquiry into the causes and remedies of the late and present scarcity and high price of provisions, in a letter to the Right Hon. Earl Spencer. [Autograph signature Gil. Blane?] London: J. Wright, 1800. 2 p. l., 71 pp. 8°.

---- 2. ed. I p. l., 79 pp. 8°.

**Brooke** (William). The true causes of our present distress for provisions; with a natural, easy, and effectual plan, for the future prevention of so great a calamity. With some hints respecting the absolute necessity of an increased population. London: H. D. Symonds, 1800. iv, 85 pp. 8°.

**Dialogue** on the corn laws, between a gentleman and a farmer. [Manchester: J. Gadsby, 18—.] 8 pp. 8°.

Edinburgh Conference documents. [Edinburgh: A. & C. Black, 18—.] 16 pp. 8°.

Facts for farmers. [Manchester: Prentice & Cathrall, 18-?] 4 pp. 8°.

— [Manchester: J. Gadsby, 18—.] 4 pp. 8°. Farmer's (The) plain speaker. A cheap loaf. What has it done? or what will it not do for England? Made labor scarce, money dear, stagnated all trades, filled unions, increased crime, causing incendiaries, etc., and will, if unremedied, be the downfall of Great Britain. Who will cry protection? [Signed: The unknown traveller.] Braintree: J. F. Shearcroft [18—]. 15 pp. 8°.

Homo, pseud. Considerations on the present high price of corn, with a proposition for the effectual regulation of the prices of all the requisites of life; addressed to every class of society. Norwich: the Author, 1800. 28 pp. 8°.

**Nasmith** (James). An examination of the statutes now in force relating to the assize of bread;

with remarks on the bill intended to be brought into Parliament by the country bakers. Wisbech: J. White, 1800. 2 p. l., 85 pp., 1 l. 8°.

Bedford (George). The corn laws, in relation to humanity, public morals, and religion. A lecture. London: Jackson & Walford [18—]. 12 pp. 2. ed. 16°.

Remarks upon the corn laws of the United Kingdom of Great Britain. [Edinburgh: J. Stark, 18—.] 46 pp. 8°.

**Sheffield** (1. earl of), J. B. Holroyd. Remarks on the deficiency of grain, occasioned by the bad harvest of 1799; on the means of present relief, and of future plenty... with the prices from 1697 to... 1800... London: J. Debrett, 1800. 1 p.l., 120 pp., 1 l., 2 tab. 8°.

**Thompson** (Thomas Perronet). Corn laws. Extracts from the works of Col. T. P. Thompson. *Manchester: J. Gadsby* [18—]. 16 pp. 8°.

[Turton (Sir Thomas).] An address to the good sense and candour of the people, in behalf of the dealers in corn: with some few observations on a late trial for regrating. Ey a country gentleman [i. e., Sir Thomas Turton]. London: T. Egerton, 1800. 178 pp. 8°.

Workman (John). The fallacy of the late speeches in Parliament, in support of Corn Laws, exposed, addressed to James Emerson Tennent... Belfast: F. D. Finlay [18—]. 13 pp. 8°.

Lawn (Buxton). The corn trade investigated, and the system of fluctuations exposed: with a proposition . . . offered for the consideration of the Legislature, which will effectually remedy the alarmid fluctuating prices of bread corn. And an investigation of the import and export laws . . . Salisbury: J. Easton, 1801. viii, 112 pp. 8°.

**Sheffield** (1. earlof) (John Baker Holroyd). Remarks on the deficiency of grain, part III. On the means of present relief, and of future plenty. London: J. Debrett, 1801. 1 p. l., 121-246 pp. 8°.

**Keith** (George Skene). A general view of the corn trade and corn laws of Great Britain. *Edinburgh: A. Constable*, 1802. I p. l., 20 pp., I pl. 8°. From the Farmer's Magazine for August, 1802.

Young (A.) The question of scarcity plainly stated, and remedies considered. With observations on permanent measures to keep wheat at a more regular price. London: B. M'Millan, 1800. Ip.l. iv, 5-100 pp. 8°.

**Lushington** (W.) The interests of agriculture and commerce inseparable. *London*: *E. Lloyd*, 1808. 1 p. l., 72 pp. 8°.

**Barham** (J. F.) Considerations on the late act for continuing the prohibition of corn in the distillery, addressed in a letter to . . . Lord Holland. London: J. Ridgway, 1810. 1 p. l., 72 pp. 8°.

Inquiry (An) into the cause of the present high price of corn and of other articles... offered to the consideration of his Majesty's government, and to that of all great landed proprietors. By a clergyman of the diocese of Bristol. London: f. Rodwell, 1813. 21 pp. 8°.

**Brand** (T.) A letter . . . to W. Wilshere, Esq., on the subject of the corn laws. *London: J. Ridgway*, 1814. 21 pp. 8°.

Congleton (1. baron), H. B. Parnell. The substance of the speeches of Sir H. Parnell, Bart., in the House of Commons, with additional observations on the corn laws. London: J. Ridgway, 1814. 2 p. l., 70 pp., 1 small l. 8°.

Considerations on the importation of foreign corn... shewing that the present high price of everything has been caused by the excessive increase of the rent of land, and a circulating taxation... London: The Author, 1814. 2 p. l., 115 pp. 8°.

**Dawson** (W.) An inquiry into the causes of the general poverty and dependence of mankind, including a full investigation of the corn laws. Edinburgh: J. Anderson & Co., 1814. viii, 255, 76 pp. 8°.

Great Britain.—Lords, House of. First and second reports from the committees of the House of Lords, appointed to inquire into the state of the growth, commerce and consumption of grain, and all laws relating thereto: to whom were referred the ... petitions ... respecting the corn laws. London: J. Ridgway, 1814. iv, 344 pp. 8°.

**Huskisson** (W.) Letter on the corn laws, to one of his constituents, in 1814. *London*, 1826. 8°.

Lauderdale (8. earl of ), J. Maitland. A letter on the corn laws. London: Longman... 1814. 3 p. l., 89 pp. 12°.

— A letter on the corn laws. Edinburgh: Constable & Co., 1814. 3 p. l., 89 pp. 8°.

**Malthus** (Thomas Robert). Observations on the effects of the corn laws, and of a rise or fall in the price of corn, on the agriculture and general wealth of the country. London: f, Johnson & Co., 1814. Ip. 1, 44 pp. 8°.

Malthus ([T.] R). Drei Schriften über Getreidezölle aus den Jahren 1814 und 1815. Übersetzt und hrsg. von E. Leser. Leipzig: Duncker & Humblot, 1896. 129 pp. 8°. (Samml. älterer u. neuerer staatswiss. Schriften. no. 6.)

Bemerkungen über die Wirkungen der Getreidegesetze und eines Steigens oder Fallen der Getreidepreise auf die Landwirtschaft und den Allgemeinen Wohlstand des Landes. 33 pp. London, 1814. [Reprint.] 8°. (In: Sammlung älterer und neuerer staatswissenschaftlicher Schriften des Inund Auslandes. no. 6.)

Rose (George). The speech of . . . G. Rose, in the House of Commons, on the 5. of May, 1814, on the subject of the corn laws. London: T. Cadell, & W. Davies, 1814. 79 pp. 8°.

[Western] (I. baron), (Charles C[allis] Western. Substance of the speech . . . in the House of Commons, May, 1814, on the subject of the corn laws. London: Budd & Calkin, 1814. I p. l., 44 pp. 8°.

Hume (J. D.) Thoughts on the corn-laws as connected with agriculture, commerce and finance. London: F. C. & J. Rivington, 1815. I p. l., 80 pp. 8°

Malthus (T[homas] R[obert]). The grounds of an opinion on the policy of restricting the importation of foreign corn; intended as an appendix to "Observations on the Corn Laws." London: J. Murray, 1815. I p. l., 48 pp. 8°.

—— Die Gründe einer Meinung über die Zwerkmässigkeit, die Enifuhr ausländischen Getreides zu beschränken. Ein Anhang zu der Schrift "Bemerkungen über die Getreidegesetze." 53 pp. London, 1815 [reprint]. 8°. (In: Sammlung älterer und neuerer stattswissenschaftlicher Schriften des In- und Auslandes. no. 6, pp. 77–129.)

[Review of two works by T. R. Malthus, entitled respectively: Observations on the effects of the corn laws... The grounds of an opinion on the policy of restricting the importation of foreign corn... Extracted from the Edinburgh Review, Feb., 1815.] [Edinburgh, 1815.] 491-505 pp. 8°.

**Ricardo** (David). An essay on the influence of a low price of corn on the profits of stock; shewing the inexpediency of restrictions on importation: with remarks on Mr. Malthus' two last publications: "An inquiry into the nature and progress of rent;" and "The grounds of an opinion on the policy of restricting the importation of foreign corn." London: J. Murray, 1815. 2 p. l., 50 pp. 8°.

**Sheffield** (1. earl), John Baker Holroyd. A letter on the corn laws, and on the means of obviating the mischiefs and distress, which are rapidly increasing... Corrected and...enlarged. London: J. Murray, 1815. I p. l., ii, 3-62 pp. 2 ed. 8°.

**Spence** (W.) The objections against the corn bill refuted; and the necessity of this measure, to the vital interests of every class of the community, demonstrated. *London: Longman...* 1815. 2 p. l., 46 pp. 12°.

Wilson (Robert). An enquiry into the causes of the high prices of corn and labour, the depressions on our foreign exchanges and high prices of bullion, during the late war; and consideration of the measures to be adopted for relieving our farming interest from the unprecedented difficulties . . . in consequence of the great fall in the price of their produce since the peace; with relative tables and remarks, etc. Edinburgh: A. Constable & Co., 1815. 2 p. l., iv, 87 pp. 8°.

Ainslie (Robert). Practical observations for the landed and agricultural interest, on the question of corn and money, in a series of letters... being an answer to the late publication on that subject, by Robert Wilson, Esq., and containing remarks on the reviews of that work... With a disquisition on the question of altering the laws regarding the rate of interest of money. Edinburgh: Manners & Miller, 1816. Ip. 1., v-vii, 48 pp. 8°.

Torrens (Robert). A letter to the . . . Earl of Liverpool, on the state of the agriculture of the United Kingdom, and on the means of relieving the present distress of the farmer, and of securing him against the recurrence of similar embarrassments. London: J. Hatchard, 1816. I p. l., 34 pp. 8°.

**Chambers** (A[braham] H[enry)]. Thoughts on the resumption of cash payments by the bank; and on the corn bill, as connected with that measure ... London: T. Egerton, 1819. 2 p. l., 38 pp. 8°.

**Letter** (A) to . . . Frederick Robinson . . . on the policy and expediency of further protection to the corn trade of Great Britain; and on the necessity

of revising and amending the last corn bill . . . By a Corn Factor. London: J. Mallett, 1819. 2 p. l., 36 pp. 8°.

Motives for an inquiry into the present distresses, addressed to members of both houses of parliament; showing that the artificial high price of corn occasions a much greater pressure than the whole amount of the taxes. London: R. Hunter, 1820. 2 p. l., 31 pp. 8°.

Origin (The) and proceedings of the agricultural associations in Great Britain, in which their claims to protection against foreign produce, duty free, are fully and ably set forth. London: Ruffy & Evans [1820?]. 46 pp. 8°.

[Sheffield (i. earl of), J. B. Holroyd.] Remarks on the merchants' petitions and publications respecting restrictions on foreign commerce; on the depression of agriculture; and also on the petitions praying the repeal of the duty on foreign wool... amended and enlarged. London: J. Hatchard & Son, 1820. 23 pp. 8°.

**Torrens** (R.) An essay on the influence of the external corn trade upon the production and distribution of national wealth... 2. ed. *London*: [J. Brettell, pr.] 1820. xxvi, 442 pp. 8°.

Considerations on the corn question, etc., etc. London: A. J. Valpy, 1821. 32 pp. 8°. Printed also in the Pamphleteer. no. xxxiv. for February,

**Postscript** (A) to the considerations on the corn question. [London: A. J. Valpy, 1821.] 1 p. l., 33-56 pp. 8°.

Hall (George Webb). Observations on the report from the select committee of the House of Commons. To whom the several petitions complaining of the depressed state of the agriculture of the United Kingdom, were referred in the session of 1821. London: the Author [1821?]. 156 pp. 8°.

Bramston (Thomas Gardiner). A practical inquiry into the nature and extent of the present agricultural distress, and the means of relieving it. London: J. Hatchard & Son, 1822. 2 p. l., 53 pp. 2. ed. 8°.

Cleghorn (James). On the depressed state of agriculture. Edinburgh: A. Constable & Co., 1822. 2 p. l., 140 pp. 8°.

Observations on the causes and cure of the present distressed state of agriculture, addressed to the gentry, clergy, farmers and others . . . containing a reply to the Edinburgh Review, no. lxx. on . . . cash payments and foreign corn-trade. By a landholder. [E. Davenport?] Chester: M. Galway, 1822. 104 pp., 1 l. 8°.

**Exposition** (An) of the real causes and effective remedies of the agricultural distress. By an impartial looker-on. *London: Sherwood, Neely*, 1822. 42 pp. 8°.

Hall (Geo[rge] Webb). Observations on the report from the select committee of the House of Commons, appointed to inquire into the allegations of the several petitions presented to the House... complaining of the depressed state of the agriculture of the United Kingdom, in the session of 1822... London: The Author, 1822. 38 pp. 8°.

**Heathfield** (Richard). Observations on trade, considered in reference, particularly, to the public

debt, and to the agriculture of the United Kingdom ... [with appendixes]. London: Longman, Hurst, 1822. 72 pp. 8°.

Liverpool (2. earl of), [Robert Banks Jenkinson]. The speech... delivered in the House of Lords, on... the 26. day of February, 1822, on the subject of the agricultural distress of the country, and the financial measures proposed for its relief. With an appendix. London: J. Hatchard & Son, 1822. 2 p. l., 5-64 pp., 4 l. 12°.

**Observations** on the causes and cure of the present distressed state of agriculture... By a landholder. *Chester*, 1822. 8°.

[Western (I. baron)], C[harles] C[allis] Western. Address to the landowners of the united empire. London: J. Ridgway, 1822. 47 pp. 8°.

Whitmore (W[illiam] W[olryche]). A letter on the present state and future prospects of agriculture. Addressed to the agriculturists of the county of Salop. London: J. Hatchard & Son, 1822. 2 p. l., 86 pp. 8°.

Letter to a member of Parliament on the contemplated changes in the corn laws. Edinburgh: J. Ballantyne & Co., 1825. 20 pp. 8°.

Remarks on the corn laws; addressed to the agricultural and commercial classes of Great Britain. By an impartial observer. Edinburgh: Maclachlan & Stewart, 1825. 19 pp. 8°.

**Blain** (Henry). A letter to the Earl of Liverpool on the revision of the corn laws, with a suggestion for their modification . . . *London*: E. Wilson, 1826. 21 pp. 8°.

**Ellman** (John), fr. A letter on the corn laws; containing also [W.] Huskisson's Letter to his constituents at Chichester, in 1814. London [18267]. 8°.

Higgins (Godfrey). An address to the Houses of Lords and Commons in defence of the corn laws... London: A. J. Valpy, printer, 1826. 2 p. l., 60 pp. 8°.

Holdsworth (A[rthur] H[owe]). A letter to the members for the county of Devon on the monopoly of the landed interest. Exeter: M. Flindeli [1826?]. 3-24 pp. 8°.

Huskisson (W.) Letter to a constituent at Chichester [on the corn laws]. (In Ellman, J., Jr. Letter on the corn laws. 1826?)

**Joplin** (J.) Views on the subject of corn and currency. *London: Baldwin*, ... 1826. viii, 80 pp. 8°.

Sloane (Vans). Letter to the . . . chancellor of the exchequer, illustrative of the operation and effect of the corn restriction laws upon landed property, and the probable consequences of their abrogation to land-owners and the public. Edinburgh: Oliver & Boyd, 1826. I p. l., 43 pp. 8°.

Stanhope (4. earl), Philip Henry Stanhope. A letter from Earl Stanhope [dated Chevening, November 10, 1826], on the corn laws. London: J. Ridgway, 1826. 1 p. l., 5-46 pp. 12°.

Torrens (R[obert]). An essay on the external corn trade. London: Longman, Rees, 1826. xxiv, 416 pp. 3. ed. 8°.

Manuscript note inserted,

Whitmore (W. W.) A letter to the electors of Bridgenorth upon the corn laws. Edinburgh: W. Blackwood, 1826. 84 pp. 8°.

Atticus, pseud. Observations on the corn laws. London: J. Hatchard & Son, 1827. 22 pp. 8°.

Canning (George). Corrected report of the speech delivered by G. Canning, in the House of Commons, March I, 1827, on the corn laws. London: J. Ridgway, 1827. 2 p. l., 42 pp. 8°.

[Carey (M.)] Colbert—thirdseries—nos. I-3 [being three essays on the British corn laws, etc., signed Colbert, pseudonym of Mathew Carey]. [Philadelphia? 1827?] 12 pp. 8°.

Catechism on the corn laws; with a list of fallacies and the answers... To which is added the article on free trade, from the Westminster Review, No. XXIII. With a collection of objections and the answers. By a member of the University of Cambridge [i. e., Thomas Perronet Thompson]. [London: Mills, Jovett, and Mills, 1827.] 80 pp.

- ---- iv, 60 pp. 3. ed. 8°.
- ---- 64 pp. 6. ed. 8°. ---- 1831. 80 pp. 15. ed. 8°.

Cooke (Layton). Practical observations on the importation of foreign corn, under a graduated scale of duty... London: J. Ridgway, 1827. 31 pp. 2. ed. 8°.

Farmer (A.), pseud. Hints to landlords and tenants in the neighborhood of Doncaster. Doncaster: C. & J. White, 1827. 8°.

Lotter (A) to the Right Hon. the Earl of Liverpool, ... shewing that the burdens of the country may be lightened fifty-two millions annually ... By a member of the Merchant Company of Edinburgh. Edinburgh: J. Anderson, 1827. 1 p. l., 17 pp. 8°.

— to William Huskisson on the corn laws-Devonport: Congdon & Hearle, printers, 1827. 28 pp. 8°.

**Observations** on the corn laws, addressed to W. W. Whitmore, in consequence of his letter to the electors of Bridgenorth. *London: Longman, Rees, Orme...*, 1827. 2 p. l., 48 pp. 8°.

**Thoughts** on the policy of the proposed alteration of the Corn laws. *London: J. Ridgway*, 1827. 61 pp. 8°.

Free trade in corn the real interest of the landlord, and the true policy of the state. By a Cumberland landowner. *London: J. Ridgway*, 1828. iv, 83 pp. 8°.

Graham (Sir James), bart. Corn and currency; in an address to the land owners... London: J. Ridgway, 1828. 119 pp. 8°.

— Corn and currency; in an address to the land owners. *London: J. Ridgway*, 1828. 3-119 pp. 8°.

Jacob (W.) Tracts relating to the corn trade and corn laws: including the second report ordered to be printed by the two houses of parliament. London: J. Murray, 1828. iv-vi, Il., 293 pp. 8°.

Protest against the decision of the House of Lords of the Corn Importation Bill. June 13, 1828 [signed Lauderdale, Stanhope]. London: C. H. Reynell [1828?]. I p. l., 16 pp. 8°.

**Wolan** (George). Practical observations upon the projected alterations of the law for regulating the import of corn into the United Kingdom of Great Britain and Ireland: in a letter addressed to his grace the Duke of Wellington. London: W. J. Ruffy, 1828. 29 pp. 8°.

With leastet by G. Nolan on same subject inserted.

[Sadler (M. T.)] Views on the Corn Bill of 1827, etc. n. t. p. [London, 1828.] 136 pp. 8°. With autograph letter signed of the author.

Tooke (Thomas). On the currency in connexion with the corn trade; and on the Corn laws. [Cover title, A second letter to Lord Grenville, by Thomas Tooke.] To which is added, A postscript on the present commercial stagnation. London: J. Murray, 1829. 2 p. l., 119 pp. 8°.

**National** anti-corn-law league. No. 16. Bazaar gazette. [London: J. Gadsby, ] n. d. 8 pp. 8°.

Origin (The) and proceedings of the agricultural associations in Great Britain, in which their claims to protection against foreign produce, duty-free, are fully and ably set forth. Printed for the use of the members of both houses of parliament... London: Ruffy & Evans, n. d. 46 pp. 8°.

Asser (John). Communications to T. G. Bramston, Esq., M.P., and members of both houses, for preventing frauds to the manufacturers and growers of wheat. London: the Author, 1830. 8 pp. 8°.

Crewdson (Thomas). An inquiry into the effect of the corn laws on the prosperity of Great Britain and Ireland. *London: E. Wilson*, 1830. 25 pp. 8°.

Hunt (Henry). The corn laws. Speech . . . in the House of Commons . . . September 15., 1831. [Manchester: J. Gadsby, 1831.] 12 pp. 16°.

Repr. "Mirror of Parliament."

Old Farmer (An), pseud. A letter to Earl Grey on his speech in favour of the corn laws... London: W. Kidd, 1831. Ip. l., 22 pp. 8°.

Address to the landowners of England, on the Corn laws. By Viscount Milton [i. e., Charles William Wentworth-Fitzwilliam, 5. earl]. London: J. Ridgway, 1832. 2 p. l., 46 pp. 2. ed. 8°.

--- [Another copy.]

With 16 pp. of contemporary manuscript notes and a political broadside.

\_\_\_\_ 3. ed. 8°.

— London: Bungay, printed: J. R. & C. Childs, 1834. 16 pp. 8°.

Greg (William] R[athbone]). Agriculture and the corn-law. Prize essay. Showing the injurious effects of the corn law upon tenant-farmers and farm-labourers. [Manchester: National Anticorn-law League, 1832.] 12 pp. 8°.

Day (William). An inquiry into the poor laws and surplus labour, and their mutual reaction; with a postscript, containing observations on the commutation of tithes, and remarks on Lord Milton's address on the corn-laws... 2. ed. London: f. Fraser, 1833. 2 p. l., 112 pp. 8°.

**Freeholder** (A), pseud. Considerations on the corn laws, in a letter addressed to a member of Parliament. Salisbury: W. B. Brodie & Co., 1833. 12 pp. 8°.

Higgins (Godfrey). Address to the electors and others of the West-Riding of the County of York; sixth edition, with notes: and an appendix on the fund and corn laws. Doncaster: C. White, 1833. 36 pp. 8°.

Monck (C. A.) Address to the agricultural classes of Great Britain, on the evils which are the consequence of restricting the importation of foreign corn. London: J. Ridgway, 1833. 2 p. l., 60 pp. 12°.

**Reid** (William). An inquiry into the causes of the present distress: with an attempt to explain the theory of national wealth. *Edinburgh: W. Tait*, 1833. Ip. l., 34 pp. 8°.

**Bain** (Donald). The importance of agriculture to a state: the necessity for protecting it in Great Britain, and the principles of that protection explained. *London: Smith, Elder & Co.*, 1834. 54 pp., I. 8°.

[Vere (Charles Broke).] The danger of opening the ports to foreign corn at a fixed duty, considered. [Preface signed Charles Broke Vere.] Ipswich: R. Deck, 1834. 15 pp. 8°.

Fitzwilliam (5. earl), Charles William Wentworth. A Second address to the landowners of England on the Corn laws. London: J. Ridgway & Sons, 1835. 36 pp. 8°.

**Lotter** (A) to the Electors of the borough of Greenwich, and the Western division of the County of Kent; with Answers to the five questions in the pamphlet entitled "Thoughts upon the Corn Law question," and a few reflections upon the whole... By a Landowner of the County of Kent. Greenwich: E. Wilson, 1835. vi, 7-22 pp. 8°.

**Loudon** (Mrs. [Margracia]). Philanthropy, the philosophy of happiness, practically applied to the social, political, and commercial relations of Great Britain... London: E. Churton [1835?]. viii, xv, 312 pp. 8°.

Corn (The) laws, the great manufacturer, and the general merchant. [London, 1838?] 16 pp. 8°.

**Bell** (J.) A vindication of the rights of British land-owners, farmers and labourers, against the cotton capitalists to a free trade in corn. *London: Hatchard & Co.*, 1839. 48 pp. 8°.

Brough (Anthony). Conservative conversation on the corn laws, and the importance and necessity of encouraging British agriculture, between John Smith, trader—and George Brown, farmer. London: Grattan & Gilbert, 1839. 42 pp. 8°.

**Corn** laws. The evidence of James Deacon Hume... upon the corn law, before the committee of the House of Commons on the import duties, in 1839. \*\*n. p. [18—]. 16 pp. 8°.

Facts for farmers. n.t. p. [Manchester, Eng., 1839?] 4 pp. 8°. (National Anti-Corn Law League, Manchester.)

Moreton (A. H.) Thoughts on the corn laws, addressed to the working classes of the county of Gloucester... London: Simpkin, Marshall & Co., 1839. 24 pp. 8°.

Suttle (Sir George Grant), bart. Letter to Lord Viscount Melbourne, on the cause of the higher average price of grain in Britain than on the continent. Edinburgh, 1839. 8°.

**Thompson** (T. Peronnet). Corn-law fallacies, with the answers... 3. ed. London: E. Wilson, 1839. 2 p. l., 80 pp. 8°. Repr.: The Sun.

Western (C. C. W.) The maintenance of the corn laws essential to the general prosperity of the

empire. London, 1839. 12°.

Address (An) to farmers, on the way in which their families are to be provided for. [Signed: A farmer's son.] n. t. p. [Manchester: Nat. Anti-corn-law league, 184-?] 4 pp. 8°.

Britannicus, pseud. Corn laws defended; or, Agriculture our first interest, and the main stay of trade and commerce; a letter addressed to the Anti-Corn-Law League... Leeds: T. Harrison [184-?]. 29 pp. 8°.

Facts for farmers. [Edinburgh: Ballantyne & Hughes, 184-?] 4 pp. 8°.

**National** Anti-Corn Law League. Authorities against the corn laws. *Manchester: Printed at the Advertiser Office*, 184-?] 4 pp. 8°.

**Noel** (Baptist W[riothesley]). Corn laws; selections from A plea for the poor, by B. W. Noel. [Manchester: R. Wood, printer, 184-?] 8 pp. 8°. (National Anti-Corn Law League.)

Ought the Corn Laws to be repealed? A series of articles (with additions) from the Edinburgh Evening Post and Scottish Standard. Addressed to the common sense of the people... Edinburgh: A. Cannon [184-?]. 24 pp. 12°.

Raumer (F. von). The corn laws of England. Copyright edition, translated from the German. London: Simpkin, Marshall & Co. [184-?] 31 pp. 20

[Baines (Sir Edward).] The corn law. National distress proved by increased exports, combined with diminished production. 3, (1) pp. London: J. B. Nichols & Son, printers [1840?]. F.

Edinburgh (The) Anti-Corn-Law Association. Corn-laws; tract No. 2. [Edinburgh: Ballantyne & Hughes,] 1840. 8 pp. 8°.

Gore (Montague). Thoughts on the Corn Laws. London: Saunders & Otley, 1840. 56 pp. 8°.

Jevons (Thomas). The prosperity of the land-holders not dependent on the Corn Laws. London: Longmans & Co., 1840. 2 p. l., 3-68 pp. 8°.

**Kell** (Edmund). The injurious effects of the corn laws on all classes of the community, including the farmer and the landowner. A lecture. *London:* Smallfield & Co., 1840. 45 pp. 8°.

**Kelly** (R. N.) A review of the Corn Law question. Addressed to the agriculturists, merchants, tradesmen, and working classes of Great Britain . . . Edinburgh: W. Blackwood & Sons, 1840. 91 pp., 2 l. 8°.

**Proposed** alteration in the corn laws. Flour importation, Ireland, bill. [Reasons against it; by R. Macaulay and others.] [London, 1840.] 8°.

**Salomons** ([Sir] David). Reflections on the operation of the present scale of duty for regulating the importation of foreign corn... 2. ed. London: P. Richardson, 1840. 96 pp. 8°.

**Tyrconnel,** John Delaval Carpenter (Viscount Carlingford), 4. earl of. Address to the people of the United Kingdom on the corn laws. London, 1840. 8°.

Wilson (J.) Influences of the corn laws, as affecting all classes of the community and particularly the landed interests. *London: Longman*, 1840. x, 142 pp. 3. ed. 8°.

Address to the electors of Scotland, on the subject of the corn-laws. By a member of the Edinburgh anti-corn law committee. Edinburgh: A. & C. Black, 1841. 28 pp. 12°.

**Byrne** (John Francis). Four letters on the corn laws; addressed to Robert Peel. *London: E. Palmer & Son* [1841]. 19 pp. 8°.

C. (F.) An essay on free trade: its absolute value in theory, its relative value in practice, error and consequences of its application to the corn laws. London: J. Ridgway, 1841. 2 p. l., 155 pp. 8°.

Corn laws (The) and the national debt; or, The parson's dream and the queen's speech. By a Somersetshire clergyman. *London: J. Green*, 1841. 16 pp. 8. thousand. 12°.

**Hindley** (C.) Speech on taxation and the corn laws in the House of Commons, June 15, 1841. London, 1841. 12°.

Holland (George Calvert). An analysis of the address of F. H. Fawkes, Esq., to the landowners of England. *London: J. Ollivier*, 1841. 44 pp. 2. ed. 8°.

Letter to J. R. M'Culloch, Esq., in answer to his statements on the corn-laws. London: J. Ollivier, 1841. 27 pp. 2. ed. 8°.

— The Millocrat. [A series of letters to J. G. Marshall in reply to his letter to Lord Fitzwilliam, on the state of the manufacturing classes.] 7 pts. London: J. Ollivier, 1841. v. p. 8°.

—— Suggestions towards improving the present system of corn-laws. Inscribed, by permission, to the Right Hon. Sir R. Peel. *London: J. Ollivier*, 1841. 39 pp. 8°.

Statements illustrative of the policy and probable consequences of the proposed repeal of the existing Corn Laws, and the imposition in their stead of a moderate fixed duty on foreign corn when entered for consumption. [By J. R. MacCulloch.] London: Longmans, Orme, 1841. 38 pp. 8°.

24 pp. 8°. Edinburgh: A. & C. Black, 1841.

24 pp. 8°. London: Longman, etc., 1841. 2. ed.

48 pp. 8°. ... 3. ed. 8°. ... 4. ed. 8°.

\_\_\_\_\_ 5. ed., with a postscript. 8°. \_\_\_\_ 6. ed. 8°.

Noel (Baptist Wriothesley). A plea for the poor, showing how the proposed repeal of the existing corn laws will affect the interests of the working classes. London: J. Nisbet & Co., 1841. 35 pp. 16°.

Peel (Sir Robert). Speech delivered by R. Peel in the House of Commons, the 18th May, 1841. [Edinburgh:] W. Blackwood & Sons [1841?]. 22 pp. 8°.

**Many** (The) sacrificed to the few; proved by the effects of the food monopoly. [By G. R. Porter.] London: H. Hooper, 1841. 18 pp. 8°.

Report of the Conference of ministers of all denominations on the Corn Laws, held in Manchester, Aug. 17, 18, 19 and 20, 1841. With a digest of the documents contributed during the conference. Manchester: J. Gadsby, 1841. I p. l., iiiiv, 5-264 pp. 12°.

Stansfeld (Hamer). Monopoly and machinery: which is the real enemy of the working classes? A lecture. [Manchester: J. Gadsby, 1841.] 12 pp. 16°.

Statements illustrative of the policy and probable consequences of the proposed repeal of the existing corn laws, and the imposition in their stead of a moderate fixed duty on foreign corn when entered for consumption. London: Longman, Orme... 1841. 38 pp. 8°.

**Thompson** (Thomas Perronet). Corn laws; extracts from the works of T., selected and classified by R. Cobden. n. t. p. [Manchester, 1841?] 8°.

[Trenchard (J.)] The letters of Diogenes to Sir Robert Peel, Bart. London: Ridgway, 1841. xv, 110 pp. 8°.

Western (1. baron), Charles Callis Western. A letter from Lord Western to Lord John Russell, on his proposed alteration of the corn laws, and on the causes of commercial distress. London: J. Ridgway, 1841. 2 p. l., 43 pp. 2. ed. 8°.

A supplement to Lord Western's letter to Lord John Russell, upon Corn Laws and commercial distress, with a brief review on the reports of the Manchester Chamber of Commerce, of December, 1839, and March, 1841. London: J. Ridgway, 1841. 12 pp. 8°.

— A second letter to the agriculturists of the county of Salop. August 5, 1841. London: Houlston & Stoneman [1841]. 48 pp. 16°.

Address to the people of Scotland on the principle and operations of the corn and provision laws, by the ministers and members of dissenting churches, assembled in conference at Edinburgh, on the II., I2., and I3. January, 1842. [Edinburgh: Murray & Gibb, 1842.] 8 pp. 8°.

Anti-corn-law (The) league and the Duke of Wellington. [Manchester: J. Gadsby, 1842.] 3-4 pp. 8°.

**Bain** (Donald). Letter to... Sir Robert Peel... on the principles of the Corn Laws... Edinburgh: J. Mensies, 1842. I p. l., 16 pp. 8°.

Carmichael (James). Corn-Laws. Remarks on Mr. M'Culloch's "Statement" illustrative of the policy of a fixed duty on foreign corn. *Edinburgh:* the Author, 1842. I p. l., 42 pp. 8°.

Cobden (Richard). The corn laws. Speech... in the House of Commons, on... February 24, 1842. Manchester: J. Gadsby [1842]. 12 pp. 2, ed. 16°.

—— Speech... in the House of Commons... February 24, 1842; with his reply to Mr. Ferrand. [Manchester: J. Gadsby, 1842.] 21. thousand. 12 pp. 16°.

—— Speech... October 6, 1842, at a meeting of members of the Anti-Corn Law League... showing

the true causes for the passing of the American tariff, and proving that Sir R. Peel's tariff is not the cause of the present low prices of food in England. *London: R. Groombridge*, 1842. 12 pp. 16°.

**Dialogue** on the Corn Laws, between a gentleman and a farmer. *London: C. Gilpin*, 1842. 16 pp. 12°.

Corn laws. A return of the number of petitions, memorials, or addresses, presented to Her Majesty, from public meetings, town councils... or other bodies, for the repeal of the corn laws, from the first day of January, 1841, to the present time [specifying the places... and the prayer of each petition]. [London, 1842.] 14 pp. F°. (Great Britain. Parl. Papers. Sess. 1842 (563), v. 46.)

**Dialogue** between John and Thomas, on the corn laws, the charter, teetotalism, and the probable remedy for the present distresses. *Paisley: Caldwell*, 1842. 8 pp. 16°.

Report of the great Anti-Corn Law meeting, held at Dundee, 6th January, 1842. London: E. Wilson, 1842. viii, 51 pp. 8°.

Fyfe (John R.), and Skeen (W.) Report of the speeches delivered at the conference of ministers and members of dissenting churches, held at Edinburgh on the 11., 12. and 13. January, 1842, to express their opinion of the injustice and immoral tendency of the corn and provision laws. With an appendix. Edinburgh: A. & C. Black, 1842. viii, 143 pp. 8°.

Giles (J[ohn] E[ustace]). Speech . . . to the National Anti Corn-Law League, Dec. 1, 1842. [Manchester: J. Gadsby, 1842.] 8 pp. 16°.

Great Britain.—Statutes. An act to amend the laws for the importation of corn: passed 29th April, 1842. London: G. E. Eyre and A. Spottiswoode, 1842. vi, 50 pp. 12°.

Greg (William Rathbone). Agriculture and the cornlaw. Prize essay. Showing the injurious effects of the corn law upon tenant farmers and farm labourers. *Manchester: J. Wilson*, 1842. 18 pp. 12°.

**Hope** (George). Agriculture and the corn law: prize essay; showing the injurious effects of the corn law upon the tenant farmers and farm labourers. *Manchester*, 1842. 16 pp. 8°.

M'Cullagh (W[illiam] Torrens). The Corn Laws. Speech... to the National Anti-Corn-Law League, December 1, 1842. [Manchester: J. Gadsby, 1842.] 8 pp. 16°.

Morse (Arthur). Agriculture and the corn law. Prize essay. Shewing the injurious effects of the corn law upon tenant farmers and farm labourers. Manchester: Haycraft [1842]. 16 pp. 8°.

**Mational** anti-corn law league. [Authorities against the corn laws, and, The anti-corn-law league and the Duke of Wellington.] n. t. p. [Manchester: The League, 1842?] 4 pp. 8°.

— Dialogue on the corn laws, between a gentleman and a farmer. 8 pp. Manchester: J. Gadsby, printer, 1842?] 8°.

— The three prize essays on agriculture and the corn law. [By G. Hope, A. Morse and W. R. Greg.] 2 p. l., 16, 16, 18 pp. *Manchester: J. Gadsby*, 1842. 8°.

Noel (Rev. Baptist W[riothesly]). Corn laws. Selections from A plea for the poor. Manchester [National Anti-Corn-Law League, 1842?]. 8 pp. 8°.

Peel (Sir R.) Speech of . . . on the corn laws, in the House of Commons, Wednesday, Feb. 9, 1842. London: W. E. Painter [1842]. 30 pp. 8°. (No. 1.—Speeches in Parliament—1842.)

Palmerston (H. J. T.) Speech in the House of Commons, Feb. 10, 1842, on Lord John Russell's motion against a sliding scale of duties on the importation of foreign corn. London, 1842. 8°.

Russell (1. earl), John Russell. Speech... on the corn laws. Delivered in the House of Commons, February 14, 1842. London: W. M. Clark [1842]. 16 pp. 16°.

[1842]. 16 pp. 16°.

Stansfeld (Hamer). Compensation not emigration the one thing needful; justice, and not charity, what we want: being a series of lectures intended to explain to the working classes, on the principles of political economy, the causes of their present unfortunate condition. Leeds: Hobson & Smiles, 1842. 40 pp. 16°.

Anti-Corn-Law League. The League. London, 1843-'45. 3 v. F°.

**Bain** (Donald). The egregious and dangerous fallacies of the anti-corn-law league; or, The protection of agriculture not a question with landlords, but for the whole kingdom. Edinburgh: J. Mensies, 1843. Ip. l., 50 pp. 8°.

Bright ([John]). Corrected report of Mr. Bright's speech, at the public meeting held in the Music Saloon of the Corn Exchange, Wakefield, April 21, 1843. [Manchester: J. Gadsby, 1843.] 16 pp. 16°.

16 pp. 16°.

Clapham (Dixon Henry). The great cause of the present distress and the remedy. 3 ed. Chelmsford: H. Guy, 1843. 16 pp. 8°.

Cobden (R[ichard]). Speech . . . at a meeting of the Anti-Corn-Law League, held at the Hall of Commerce, London, May 29, 1843. [Manchester: J. Gadsby, 1843.] 4 pp. 16°.

First [and] second report from the select committee [Great Britain] on Epworth (corn laws) petitions; together with the minutes of evidence. [London, 1843.] 2 v. F°. (Great Britain. Parl. Papers. Sess. 1843 (447., 511.), v. 11.)

Ducie (2. earl of), Henry George Francis Reynolds Moreton. Speech... at a meeting of the Anti-Corn-Law League, held at the Hall of Commerce, London, May 29, 1843. [Manchester: J. Gadsby, 1843.] 8 pp. 16°.

Greg (William Rathbone). Agriculture and the corn law. Prize essay. Showing the injurious effects of the corn law upon tenant farmers and farm labourers. *Manchester: J. Gadsby*, 1843. 18 pp. 8°.

pp. 8°. **Harwood** (Philip). Six lectures on the cornlaw monopoly and free trade... London: J. Green, 1843. 2 p. l., 123 pp. 8°.

Hope (George). Agriculture and the corn law. Prize essay, showing the injurious effects of the corn law upon tenant farmers and farm labourers. Manchester: J. Gadsby, 1843. 16 pp. 8°.

Hubback (Joseph). A letter on the corn laws; to which are appended miscellaneous remarks in favour of the protective system. Liverpool: Lace & Addison, 1843. 29 pp. 8°.

— A letter on the corn laws; to which are appended miscellaneous remarks in favour of the protective system. Liverpool: Lace & Addison, 1843. 29 pp. 2. ed. 8°.

Morse (Arthur). Agriculture and the corn law. Prize essay. Showing the injurious effects of the corn law upon tenant farmers and farm labourers. Manchester: J. Gadsby, 1843. 15 pp. 12°.

**Protection** (The) of agriculture no question with landlords. [Edinburgh: A. Shortrede, 1843.] n. t. p. 62 pp. 8°.

Spencer (Rev. Thomas). The parson's dream and the Queen's speech; or, The corn laws and the national debt. London: J. Green, 1843. 16 pp. 12°. ([Tract] no. 7.)

12°. ([Tract] no. 7.) Villiers (C[harles] P[elham]). Speech . . . to the members of the Anti-Corn-Law League, January, 5, 1843. [Manchester: J. Gadsby, 1843.] 14 pp. 16°.

pp. 16°.

Cayley (E. S.) Reasons for the formation of the Agricultural Protection Society, addressed to the industrious classes of the United Kingdom.

London: The Society, 1844. 24 pp. 8°.

O'Connell (D[aniel]). Speech... at the great league meeting, in Covent Garden Theatre, February 21, 1844. *Manchester: J. Gadsby*, [1844], 8 pp. 16°.

American corn and British manufactures. London: S. Clarke, 1845. 36 pp. 8°.

Loudon (Margracia). Corn laws, Selections from Mrs. Loudon's philanthropic economy. [Manchester: J. Gadsby, 1845?] 4 pp. 8°.

Battle (The) for native industry. The debate upon the corn laws, the corn importation and customs duties bills, and the other financial measures of the government, in session, 1846. Reprinted... from "Hansard's Parliamentary debates." London: Office of the Society for the Protection of Agriculture and British Industry [1846?]. 2 v. 4°.

Blake (Barnett). Essex Agricultural Protection Society. Prize essay, showing the advantage of the corn law for the purpose of producing a sufficient quantity of food for the maintenance of the people. Chelmsford: Essex Agricultural Protection Soc., 1846. 16 pp. 8°.

Cobden (R[ichard]). Speech in the House of Commons, on Friday, the 27th of February, 1846, on Sir R. Peel's motion for a committee of the whole house on the corn laws. Revised. Manchester: J. Gadsby [1846?]. 16 pp. 12°.

Corn laws... Memorials, or petitions, from public meetings, etc., presented to the Queen, etc., since the 1st day of September, 1845, for the opening of the ports. [London, 1846.] 8 pp. F°. (Great Britain. Parl. Papers. Sess. 1846 (99), v. 44.)

Report from the select committee on corn laws (Cheltenham petition); together with the minutes of evidence . . . [London, 1846.] xii, 36 pp. F°. (Great Britain. Parl. Papers. Sess. 1846 (139), v. 8.)

Gladstone (John). Plain facts intimately connected with the intended repeal of the corn laws, its probable effects on the public revenue and the prosperity of this country. Addressed to all classes in the United Kingdom and her colonies. London: J. Murray, 1846. 16 pp. 2. ed. 8°.

Veck (Toby). pseudonym. "Facts and Figures."

**Veck** (Toby), pseudonym. "Facts and Figures." No. 1. Ten tables telling tales of "My landlord"

and "The Church." England's Rent roll... Church revenues... "My landlord," the lion's share of tithes... "The Farmer's Mentor"... etc. London: Longman, Brown, 1846. 31 pp. 8°.

**Sandars** (Samuel). Observations on the elements of taxation, and the productive cost of corn, etc. *London: J. Ollivier*, 1850. 2 p. l., 56 pp. 8°.

Young (George Frederick). Speech of G. F. Young at a public meeting at Swindon, Wilts, Feb. 6, 1850. London: J. Madden, 1850. 23 pp. 8°.

Bulwer-Lytton (Edward Robert Lytton). Letters to John Bull, Esq., on affairs connected with his landed property, and the persons who live thereon. London: Chapman & Hall, 1851. I p. l., 104 pp. 7. ed. 8°.

Bunbury (Edward] H[erbert]). Borough election. The speech of E. H. Bunbury... at a meeting at the Corn Exchange, Bury St. Edmund's... June 24, 1852; and the address of R. R. R. Moore, Esq., at the Town hall... June 28, 1852. Bury [St. Edmund's]: Barker & Son [1852]. 15 pp. 8°.

Young (George Frederick). Free-trade fallacies refuted; in a series of letters to the editor of the Morning Herald. *London: J. Madden*, 1852. 47 pp. 8°

Why is corn dear, and trade stagnant under the abolition of the corn laws? Report of the Bradford Committee for investigating home and foreign affairs, on the Turkish commercial treaty of 1838. Bradford: Firth & Field, 1856. 16 pp. 8°.

**Cobden** (R.) Ligue contre les lois-céréales et discours politiques. [Edited, with an introduction by] L. Say. *Paris: Guillaumin et cie* [1892]. 303 pp. 24°. (Petite bibl. écon.)

Rosebery (Lord). Speech on the Anti-corn law league and free trade, delivered . . . before the Manchester chamber of commerce, on the 1st November, 1897. [London,] 1898. 20 pp. 12°. (Cobden Club. [Publications.])

#### Netherlands

Ackeradijck (J.) Bedenkingen over de korenwetten. *Utrecht: N. van der Monde*, 1835. 2 p. l., 58 pp. 8°.

Ouwerkerk de Vries (J.van). Zou de tegenwoordige graanwet door geene andere kunnen worden vervangen, waardoor de bedenkingen, daar tegen ingebragt, konden weggenomen, en de landbouw meer regtstreeks kon ondersteund en verbeterd worden? Amsterdam: Ten Brink en De Vries, 1836. 47 pp. 8°.

47 pp. 8°.
[Viiet (L. van)?] Granen. n. p. [184-?] 153168 pp. 8°.
Excerpt "De Volksbode."

**Tex** (C[ornelis] A[nnes] den). Tree voorlezingen over graanwetten en graanhandel, gehouden bij de school voor koophandel en nijverheid, te Amsterdam, op 12. en 19. December, 1846. Amsterdam: J. Müller, 1847. viii, 9-94 pp. 8°.

Bake (J.) Brief aan den Heer Mr. C. A. den Tex, over de graanwet. Leiden: S. & J. Luchtmans, 1847. 32 pp. 8°.

**Woord** (Een) betreffende de graanwet, Bedenkingen tegen het werkje, getiteld: "Daadzaken betrekkelijk de granwet, enz." 's Gravenhage: Gebr. Belinfante, 1847. 46 pp. 8°.

## PRINCIPAL ACCESSIONS IN APRIL.

## BIBLIOGRAPHY.

**Ellis** (A. G.) Catalogue of Arabic books in the British Museum. *London*, 1901. 4°.

Fletcher (W. Y.) English book collectors. London, 1902. sq. 8°.

(English bookman's library, v. 3.)

Stone (W. M.) Women designers of bookplates. New York, 1902. nar. 8°

## GENERAL HISTORY.

Meyer (E.) Geschichte des Alterthums. v. 4. Stuttgart, 1901. 8°.

## GEOGRAPHY.

Cram (G. F.) Cram's atlas of the world. New York, 1901. Rev. ed. f°.

## BIOGRAPHY AND GENEALOGY.

Bulloch (J. G. B.) A history and genealogy of the Habersham family. Columbia, S. C., 1901.

Carter (P.) Peter Carter, 1825-1900. New York, 1901. Gift of Mr. S. P. Avery.

Cope (G.) Genealogy of the Smedley family, descended from George and Sarah Smedley, settlers in Chester Co., Pa. Lancaster, Pa., 1901. 4°. Gift of the Author.

Ford (W. C.) John Quincy Adams; his connection with the Monroe doctrine. Cambridge,

Gift of C. F. Adams.

Greene (The) family in England and America, with pedigrees. Boston, 1901. 8°. Gift of Frederic Amory.

**Haines** (G.) Ancestry of the Haines, Sharp, Collins, Wills, and other families. *Camden*, N. J., 1902. 4°.

Manning (W. H.) The genealogical and biographical history of the Manning families of New England. Salem, Mass., 1902. 8°.

Mathes (J. H.) General Forrest. New York, 1902. 12°.

(Great commanders.) Meigs (H. B.) Record of the descendants of Vincent Meigs. Baltimore, 1901. 4°.

Meredith (G. E.) The descendants of Hugh Amory, 1605-1805. London, 1901. 4°. Gift of Frederic Amory.

Philippson (M.) Der Grosse Kurfürst Friedrich Wilhelm von Brandenburg. Teil 2. Berlin, 1902. 8°.

Roid (Sir W.) William Black, novelist. New York, 1902. 8°.

Ritchie (D. G.) Plato. New York, 1902. 12°. (World's epoch-makers.)

Rose (J. H.) The life of Napoleon I. London, 1902. 2 v. 8°.

Sedgwick (H. D.), jr. Samuel de Champlain. Boston, 1902. 16°.

(Riverside biographical series, no. 14.)

United States—History and Descrip-

**Charleston, S. C.,** and vicinity illustrated. South Carolina Interstate Exposition. *Charleston*, 1901. ob. 8°

Field (E.) State of Rhode Island and Providence Plantations. Boston, 1902. 3 v. 4°.

Gresham (J.) Historical and biographical record of Douglas County, Illinois. Logansport, Ind., 1900. 4°.

Harper's encyclopædia of United States history. New York, 1902. 10 v. 8°.

Henry (W. E.) State platforms of the two dominant political parties in Indiana, 1850-1900. Indianapolis, 1902. 8°.

Kinsie (Mrs. J. A. McG.) Wau-bun: the "early day" of the North-West. Chicago, 1901.

**Levy** (J. M.) Speeches delivered in the House of Representatives. Washington, 1901. 8°. Gift of the Evening Post.

Preston (W. W.) History of Harford County, Maryland. Baltimore, 1901. 8°.

Roberts (E.) Plymouth Meeting. Norristown, Pa., 1900. 8°.

Stapleton (A.) Memorials of the Huguenots in America. Carlisle, Pa., 1901. 8°.

**Tooker** (W. W.) The names Chickahominy, Pamunkey, and the Kuskarawaokes of Captain John Smith. *New York*, 1901. 12°. (Algonquian series.)

## EUROPE.

Blauvelt (M. T.) The development of cabinet government in England. New York, 1902. 12°.

Boos (H.) Geschichte der rheinischen Stadtekultur. Bd. 4. Berlin, 1901. 2. ed. 4°.

**Frederick II.,** king of Prussia. Politische Correspondenz. Bd. 27. Berlin, 1902. 8°.

Gregorovius (F.) History of the city of Rome in the Middle Ages. v. 8. London, 1902. 2 v. 8°.

Kaemmel (O.) Rom und die Campagna. Bielefeld, 1902. 4°.

(Land und Leute, v. 12.)

**Knischewsky** (P.) Das preussische Gesamtministerium. *Berlin*, 1902. 8°.

Kriege (Die) Friedrichs des Grossen. Theil 3. Bd. 3. Berlin, 1901. 8°.

**Krieger** (B.) Hohenzollern-Bibliotheken. Die königliche Hausbibliothek. *Bielefeld*, 1902. 4°.

Massé (H. J. L. J.) The city of Chartres. London, 1900. 12°.

(Bell's handbooks to continental churches.)

Pascoe (C. E.) The pageant and ceremony of the coronation of Their Majesties King Edward the Seventh and Queen Alexandra. *New York*, 1902.

**Perkins** (Rev. T.) The cathedral church of Amiens. London, 1902. 12°.

(Bell's handbook to continental churches.)

Perkins ((Rev. T.) The churches of Rouen. London, 1900. 12°.

(Bell's handbooks to continental churches.)

Schmidt (K. E.) Cordoba und Granada. Leipsig, 1902. 8°. (Berühmte Kunststätten, no. 13.)

Victoria history of the counties of England. Northamptonshire. Westminster, 1902. F.

## AFRICA.

Langwerth von Simmern (H.) Freiherr. England in Südafrika. Wiesbaden, 1902. 2. ed.

Ogden (H. J.) The war against the Dutch republics in South Africa. *Manchester*, 1901. 8°. (National Reform Union.)

#### ART.

**Dyck** (Sir A. van). A description of the sketch-book by A. van Dyck, 1621-1627. By L. Cust. London, 1902. F°.

**Hurll** (E. M.) Tuscan sculpture of the fifteenth century. *Boston*, 1902. 8°.

(Riverside art series.)

## LITERATURE.

**Ahlgren** (L. A.) Ur Papirii papper. Stockholm, 1901. 8°.

Annunsio (G. d'). Francesca da Rimini: tragedia. *Milano*, 1902. 8°.

Austin (A.) A tale of true love and other poems. New York, 1902. 8°.

**Ecthesis** chronica, edited by S. P. Lambros. *London*, 1902. 8°. (Byzantine texts.)

Geijerstam (G. af). Kvinnomakt, roman. Stockholm, 1901. 12°.

Guetta (P.) Il canto nel suo meccanismo. Milano, 1902. 16°.

**Hebbel** (F.) Sämtliche Werke. Bd. 9. Berlin, 1902. 8°.

Hope (A.), pseud. of A. H. Hawkins. Captain Dieppe. New York, 1900. 16°.

**Kschemendra.** Ekasringa Prinz Einhorn, übersetzt von H. Francke. *Leipzig*, 1901. 8°.

**Levart** (J.) Novemberdagar. *Stockholm*, 1901. 12°.

Muir (H. D.) Songs and other fancies. Chicago, 1901. 8°. Gift of the author.

Naumann (G.) Zarathustra-Commentar. Theil 3-4. Leipzig, 1900. 12°.

**Nycander** (F.) Det Klingar. Stockholm, 1901 nar. 12°.

Reminiscences (The) of Sir Barrington Beaumont. London, 1902. 12°.

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Resny (J. H.) L'héritage. Paris, 1902. 12°.
Scheibert (J.) Mit Schwert und Feder. Berlin, 1902. 8°.

Virgil. The Æneid of Virgil. Books I.-VI. Translated by H. H. Ballard. Boston, 1002. 12°.

## ECONOMICS.

**Kairl** (J.) Finanzwissenschaft. Theil 2. Wien, 1901. 12°.

Marchant (J. R. V.) Commercial history. London, 1901. 12°. (Pitman's commercial series.)

**Mueller** (F.) Die geschichtliche Entwicklung des landwirtschaftlichen Genossenschaftswesens in Deutschland. *Leipzig*, 1901. 8°. (Wirtschafts- und Verwaltungsstudien, Bd. 10.)

Schachner (R.) Das bayrische Sparkassen-

wesen. Erlangen, 1900. 8°. (Wirtschafts- und Verwaltungsstudien, Bd. 6.)

Schwarz (O.), and Strutz (G.) Der Staatshaushalt und die Finanzen Preussens. Bd. 2. Berlin, 1902. 8°.

### Sociology.

Addams (J.) Democracy and social ethics. New York, 1902. 12°.

(Citizen's library.)

Albrecht (H.) Handbuch der sozialen Wohlfahrtspflege in Deutschland. Berlin, 1902. 2 v. 8° and ob. 4°.

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Gross (H.) Encyclopädie der Kriminalistik. Leipzig, 1901. 8°.

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## RAILWAYS.

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**Bruck** (R.) Die Praxis der Locomotivheizung. Wien, 1902. 12°.

## JEWS.

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## MATHEMATICS—ASTRONOMY—PHYSICS.

Gauss (K. F.) General investigations of curved surfaces of 1827 and 1825. *Princeton*, N. J., 1902. 4°.

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Jacoby (H.) Practical talks by an astronomer. New York, 1902. 12°.

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## USEFUL ARTS.

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(Hartleben's chemisch-technische Bibliothek, Bd. 255.)

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Park (J.) Die Cyankalium- Laugung von Golderzen Bearbeitet von E. Victor. Wien, 1902. 12°. (Hartleben's chemisch-technische Bibliothek, v. 256.)

**Shenstone** (W. A.) The methods of glass blowing. *London*, 1902. 4. ed. 16°.

Weimarer Koch-Buch. Weimar, 1902. 8°.

## THEOLOGY.

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## PHILOLOGY.

**Adler** (G. J.) A German and English dictionary. *New York*, 1902. New ed. 4°.

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## SPORT.

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Speckled (The) brook trout, by various experts, edited by L. Rhead. New York, 1902. 8°.

Gift of J. L. Cadwalader.

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Subscription One Dollar a year, single numbers Ten Cents. Subscriptions may be sent to I. Ferris Lockwood, Business
Superintendent, No. 40 Lafayette Place, New York
Entered at the Post Office at New York, N. Y., as second-class matter, January 30, 1897, under Act of July 16, 1894.

Z. R.

## **BULLETIN**

OF THE

## NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

## Volume VI · Number 6 June 1902

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NEW YORK 1902

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Bloomingdale (and Travelling Libraries), 206 West 100th Street.

RIVERSIDE, 116 West 65th Street (near Broadway).

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Washington Heights, 922-924 St. Nicholas Avenue, corner of 156th St.

## BULLETIN

OF THE

## NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

Vol. VI. June, 1902. No. 6.

#### REPORT FOR MAY.

#### REFERENCE DEPARTMENT.

During the month of May there were received at the Library, by purchase, 1,578 volumes and 488 pamphlets; by gift, 3,231 volumes 16,630 pamphlets, 169 maps, and 17 prints; and by exchange, 79 volumes and 5,909 pamphlets.

There were catalogued 4,966 volumes and 3,580 pamphlets, for which purpose 6,815 cards were written; also 3,063 cards were written for, and 15,925 cards were received from, the copying machine.

The following table shows the number of readers, and the number of volumes consulted, in both the Astor and Lenox Branches of the Library, also the number of visitors to the Print Department at the Lenox, during the month:

	Lenox.	Astor.
No. of readers and visitors	4,361	9,362
No. of readers	2,566	9,362 9,362
No. of readers, desk applicants	1,064	8,173
No. of volumes consulted by desk applicants.	5,298	28,461
Daily average of readers	95	347
Number of visitors to Print Exhibit, etc	2,575	

#### CIRCULATION DEPARTMENT.

The most popular books for the month were, in non-fiction: Riis's "Making of an American," Creelman's "On the Great Highway," and Washington's "Up from Slavery;" in adult fiction: Doyle's "The Hound of the Baskervilles," Johnston's "Audrey," and Major's "Dorothy Vernon;" in juvenile fiction: Alcott's "Little Women," Lang's "Red FairyBook," and De Foe's "Robinson Crusoe."

#### CIRCULATION STATISTICS.

Branches,	, CIRCUL	ATION.	NEW	READERS II	VOLUMES ACCES- SIONED.	
	HOME USE.	TOTAL.	, REGISTRA- ; TIONS.	MINORS. TOTAL		
Bond Street	10,965	11,489	152	770	3,593	; 33
Ottendorfer	18,346	19,071	291	1,877	3,783	61
George Bruce	14,757	17,740	177	1,864	2,983	42
Jackson Square	11,171	12,251	139	326	2,075	33
Harlem	11,543	12,525	185 '	1,044	1,967	26
Muhlenberg	9,874	11,875	118,	939	2,001	18
Bloomingdale	15,300	16,629	179	1,408	2,729	49
Riverside	2,646	3, 363	<sub>1</sub> 56	888	I,244	15
Yorkville	14, 328	15,607	157	870	1,279	51
Thirty-fourth Street	5,080	6,871	50	1,050	1,791	20
Chatham Square	13,425	14,092	192	563	667	45
St. Agnes	12,597	13,864	116	679	2,340	184
Washington Heights	8,902	10,051	131	3,404	6,253	9
Travelling	23,316	23,316				201
	172,250	188,744	1,943	15,682	32,705	787

The most important gift received at the Library during the month came from Mr. Henry Baldwin, of New Haven, Connecticut, being a collection formed by him during the last eleven years and known as the "Library Americana." This collection includes about 1,000 bound volumes, 5,000 pamphlets, and a large quantity of odd numbers of magazines and of newspapers, also a series of scrapbooks, neatly made, relating to such matters as the Chile-Peruvian War, the election of 1884, the Spanish-American War, etc. There is also a collection of slips mounted on cards and arranged in drawers and boxes, about sixty in number, containing records of miscellaneous information bearing on American history. The collection contains a large amount of data in the form of manuscript letters, pamphlets, clippings, etc., relating to the various secret orders which have from time to time been formed in this country, known as national American orders, patriotic societies, American and Protestant organizations, etc.; also data relating to such organizations as the Sons of the American Revolution, Daughters of the American Revolution, etc. The collection was formed as the result of a convention of the American Protestant and patriotic societies at Chicago in 1891, at which a national committee was appointed, which committee directed the formation of the "Library Americana," including in its scope the collection of all facts bearing on the history of America in its broadest sense, the whole to be for the use of the people of the United States. Mr. Baldwin was appointed custodian of this library and has worked practically single-handed without further instructions and without funds in bringing together and indexing the data of the kind desired. Finding himself unable, by reason of advancing age and lack of means, to carry on the work farther, he decided, after conference with his friends, to deposit the

collection in the New York Public Library as a contribution to the work in the same direction which is systematically carried on here.

The Library has also received from Mrs. Penfield, widow of Edward Z. Penfield, an officer of the Panama Railroad, a collection including 400 volumes and about 8,000 numbers of newspapers, among which there are many published in Central and South America and having special reference to the Panama Railroad and Isthmian Canal projects.

Other important gifts were: From the publisher of the American Agriculturist, 210 volumes and 440 pamphlets, chiefly agricultural experiment station reports; from Boulogne-sur-Mer, 119 volumes and 2 pamphlets, documents of the City, covering the period from 1865; from the British South Africa Company, 9 volumes and 16 pamphlets, reports on the administration of Rhodesia, mining, etc., since 1889, also 2 maps; from John L. Cadwalader, 21 volumes, chiefly sporting publications; from Alfred Fox, 26 volumes of the London Musical Times and 17 volumes of the London Tonic Sol Fa Reporter; from Richard Y. Greener, a copy of the first book printed in English in Siberia; from Mrs. Cadwalader Jones, 5 volumes, including "Las Galas del Amor," illustrations by Gavarni, in 2 volumes; from the Massachusetts Secretary of the Commonwealth, 76 volumes of State documents; from the South Africa Conciliation Committee, 1 volume and 36 pamphlets; from Alfred Stieglitz, 5 volumes of Camera Notes; from Paul Weir, 2 volumes of the Royal Bermuda Gazette; and from Barbados, the Gold Coast Colony, and Newfoundland, 14 volumes and 6 pamphlets.

The exhibition of Rossetti prints at the Lenox Branch was continued. At the Astor Branch a display of plates from Hirth's "Formenschatz" replaced the Fantin-Latour lithographs.

The exhibitions at the circulation branches have been as follows: Bond Street, Alfonso XIII., Bret Harte, Martinique, Paul L. Ford, Mary Johnston, Kate Douglas Wiggin, Conan Doyle; Ottendorfer, Bret Harte, Paul L. Ford, Martinque, Who's Who, Stories of delicate workmanship, Rochambeau, New books; Bruce, Decoration-day, Nathan Hale, Folk and fairy tales, New books; Jackson Square, Bret Harte, Memorial-day; Harlem, Spring, Bret Harte, Paul L. Ford, Coronation of Alfonso III., Lesser Antilles and volcanoes, Decoration-day, Birds; Muhlenberg, Paul L. Ford, Bret Harte, Animal stories, Memorial-day; Bloomingdale, Bret Harte, The Distressed islands and their neighbors, Paul L. Ford, Coronation of Alfonso XIII., Decoration-day; Yorkville, Coronation of Alfonso XIII., Paul L. Ford, Birds; Thirty-fourth Street, Martinique disaster, Paul L. Ford, Admiral Sampson, Bret Harte, Coronation of the King of Spain, Coronation of the King of England; Chatham Square, Paul L. Ford, Bret Harte, Martinique, Decoration-day; St. Agnes, Coronation of the King of Spain, Martinique, Decoration-day.

## LETTERS OF JAMES MONROE.

PART 4, 1812-1817.

A continuation of the selections printed in the Bulletin for February, 1900, and September and November, 1901.

To \_\_\_\_\_.

[1812.]

SIR

It is a very important question whether a considerable part of the militia force which has been collected for the defence of the principal cities along our coast may not at this time be discharged. It was assembled, on the menace of a formidable invasion from G Britain, with veteran troops, released by the peace in Europe, from employment there. It is a fact, which excites no little surprise, that to this day, we do not know, whether the boasted preparations for this invasion were sincere or intended, merely to excite alarm, & expose us to expense. The effect which they have produced is not regretted. The vast bodies of respectable citizens who have been so promptly moved, in defense of their rights, such distances, and exposed to many privations, must satisfy the enemy that he can make no impression on us. The evidences which it affords, of the competency of the people to self government, must give strength & stability to our republican institutions.

From New Hampshire to the Mississippi, one sentiment only exists, one voice alone is heard. The country must be defended. The enemy must be expelled. We must be reduc'd to the necessity of making an honorable peace.

#### To GEORGE HAY.

WASHINGTON, JULY 9, 1812.

DEAR SIR

By a late letter from Eliza to her mother we were very sorry to hear that Hortensia had been much indisposed. We hope that she has recovered, tho' we feel very anxious for the whole family, on account of this warm spell of weather. When will you set out for the Springs? I wrote M<sup>r</sup>. Alexander some time since that you would stay some days at my house in Albemarle, which I hope you will do. It will be of great service to you all to rest there sometime, & I shall be happy to receive some details from you respecting my affairs.

I have had some thought of undertaking to raise a volunteer force in Virge, to be led into Canada. If I could get 1500. or 2000. men from below the mountains & above it, composed of fine fellows, to be commanded by such officers as I could select, I think it would do credit to our country. Among others I should wish that Wirt, W. Leigh, F. Mercer, Ch: Johnston, perhaps Col: Daniel, Fr: Preston, would join. If such a force could be raised, & brought to bear on Canada, the first of

Octr., so as to take the van of the army we might do something. I have suggested it in a letter to day to the governor, & I wish you to confer with him on the subject.

To you I will mention certain considerations that will naturally be brought into view, in considering this question, the first, the propriety of resigning my present office to engage in the other duty, and in that case whether it should be permanently, or to leave it open to return, if publick opinion invited it. I want no place simply as such, and would hold none which my countrymen did not wish to see me in. I should therefore never be afraid of hasarding any thing, even if desirable to return. I have not time to enlarge. Simply hint this for your immediate consideration. our best regards attend you all.

Y. friend

JAS. MONROE.

To ----.

WASHINGTON, OCT, 16th 1812

DEAR SIR

I have yours of the 9th., and had before recd. those of the 5th. 6th. & 8th. instant. The view which you have taken of the points suggested for consideration, in mine, to which your last is in reply, contains many just remarks: indeed some of them as conclusive. I think with you, for example, that if I was plac'd in the department of war, & Mr. Jefferson came into that of state, that the inference would be that I was put aside for his accommodation. The fact would be, that no change would be thought of, but for the superior importance of the dept. of war at this time, nor would any one think of removing me from my present station, except from a desire to place me in the other, on account of its importance, and a belief that I had some acquirements peculiarly adapted to it. In going from a superior to an inferior station, there would be merit, if the motive was well understood & justly appreciated. Altho' Mr. Jefferson would have due credit, for his patriotism, in coming into an inferior station, which would for a while absorb every other consideration, yet I think after sometime, that justice would be done me for a like step. No one would for a moment believe that I acted on other, than generous motives, and even the accommodation shown to so aged and distinguish'd a character would not lose its effect. The first impression however wod. be that which you state, and how soon it would be remov'd, quite uncertain. But I do not think that this arrangement is likely to take effect; the association of 3. members in the cabinet out of five, from Virginia or (including the attorney Gen1.) six at most, cannot be done. If Mr. Jefn. came in, it could only be, by my withdrawing, by going into the army. This would leave the dept. of war still to be disposed of, supposing any change in it necessary & if Gen!. D. [Henry Dearborn] wod. come into the latter, that would leave the door open to the army, without wounding the feeling either of himself, or any one in that quarter.

My opinion however is that Mr. Jeff<sup>n</sup>. will not come into office, without some great cause, which shall put the republican interest in eminent danger, & call for the services of all its able and distinguished advocates. This can only exist by

the manifestation of the decision of the British gov<sup>t</sup>. to push the war with the utmost decision, rejecting our just & reasonable proposals, and that it will have the means, by success in the peninsula & elsewhere, to push it with effect. Altho' it may refuse to accommodate on just conditions, yet I do not think that its fortune will have reached to such a hight, as to inspire any doubt of our ultimate success, or excite that kind of alarm, alluded to.

It will merit great consideration whether such a state of things may not exist, and such a pressure be made on me, or rather such an appeal, as to make it impossible for me, without injuring my character, to refuse going into the dept. of war; and also, if I make any change, whether that may not be, all things consider'd, the preferable one.

If the nation is really disposed to put me at the head of the army, the Congress have only to open the door, by passing an act authorising the appointment of an officer of superior grade to any now in the service. If this were done, it would imply the sense of that body, that some person other than those now employed should be called on. In this case your reasoning is conclusive, that a new appointment, would be no cause of offence to Gen! D. or other officer. It is proper that you should know, that the idea of the govt. has long been even before the present adm<sup>n</sup>. that a higher grade than that of major gen<sup>1</sup>, should not be conferred. The reason I presume to be this, that the appointment of a command, in chief, is an officer of such rank, and involves such high powers, as to be inexpedient under our govt., if to be avoided. Such an officer, would draw much of the attention, and even of the powers, from the executive itself. If he conducted a successful war, of any duration, and with a large army, he might become dangerous to the liberties of his country. It has been thought more safe, & perhaps as eligible, to confine the appointments to the grade of major gen., and to confer it on several to break the force of the power. There can be no doubt that a commander in chief, if he possessed talent of the first order, would manage the war with greater advantage, than it would be managed, by several of equal grade, because he would direct every operation, would combine the mov'ments, & make each, aid the other. Where there is no commander in ch:, the secretary of war, supplies his place, which can not be done with advantage. The outline of a campaign may be given by the Secretary, but the executive must depend on the general, and much of that especially in the detail, as well as in the higher duties, of combination & co-operation, must be directed by him alone. A Secretary, at a great distance from the theatre of war, can give no orders, which are to be absolute. Something may occur with respect, to one corps, on which the mov'ment of another at one, two, or 300. miles distance, was made to depend, which should change the mov'ment of the latter. This may require an immediate order for the purpose, which the Secretary cannot give. In short it is evident that, for the war to be conducted with advantage, there ought to be an able secretary of war, & likewise an able commander in chief. Whether the danger incident to the latter character, is such as ought to make us decline the appointment, is the question to be decided. This will doubtless in great measure depend, on the contingencies above alluded to.

If Gen<sup>1</sup>. Dearborn came into the dep<sup>t</sup>. of war, and I was appointed major gen<sup>1</sup>. in his stead, to command all the forces against Canada, this might answer

the object, provided it is thought that the translation of me to the army will be for the public interest.

Among those (as I am informed) who think that I ought to go into the dep<sup>t</sup>. of war, at this time, there are some who advise the translation of M<sup>r</sup>. Eustis, temporarily, to the dep<sup>t</sup>. of State. If I leave this dep<sup>t</sup>., who ought to be brought into it, is a distinct question. It is not believed that M<sup>r</sup>. Jeff<sup>n</sup>., however desirable it may be, would act on it, for the reasons which you give.

Supposing a commander in chief not to be appointed, which would you prefer, that I should go into the dept. of war, under the opinion evidently pronounc'd, of

[The remainder of the MS. is missing.]

### [To George HAY.]

WASHINGTON OCTR. 17. 1813

DEAR SIR

We have not heard from you since we parted which gives us some concern, but hope that it is imputable to the pressing duties professional & private which engaged you both on your return home. We hope soon to be reliev'd from all anxiety on that head. We have nothing from Albemarle since we left it, nor have we heard of our servants who were to follow in a day or two after us.

I should be glad to have your opinion respecting the report to be made in complyance with Mr. Eppes's resolution concerning the accts. of our foreign ministers; whether any part should be curtailed, & what part? The only part in which any one takes an interest in that relating to my expences at Paris on my way to Madrid, and in that only from the opportunity it is supposed to afford to injure me & family. I mean by this, that any other part may be withheld without affording a handle to my enemies. This therefore is the only one, that I am bound to report untouched. My opinion is that I ought to withhold, the letter of Talleyrand to Livingston, & that of the latter to me, shewing the good effect of the Spanish mission. To send those letters in, as the report will be made in conformity to the views of this dept, would I think be unworthy of me. It would be the more so, even in point of discretion, because in relation to the object to be answer'd by it, the papers being accessible to any one, the object might be answered in another mode, on the call of any one.

The part about which there is much doubt on my mind, is in the commencement concerning the outfit to France. That outfit was allowed; all the introductory reasoning may suggest a doubt on a point where there is none. Besides it bears hard on M<sup>r</sup>. Jefferson, which, if there is no necessity for it, had better be avoided.

On the subject of a different character, on which we were speaking, I have heard little since we were together. On returning here, a recollection of my past services, the fidelity, & in some instances, utility of them, beyond all question, restores in a certain degree at least the feelings which I indulged when we last met. The jealousy of Virga is a theme that will be dwelt on, and with no little effect, especially as it will be aided by the cabals and intrigues of a party in our

own state. Nothing is more certain than that if my pretentions are regarded, it must be by the opinions entertain'd of them, in other states by the national character which my services have gain'd me; by my ceasing to be considered in other Hence, the less Virga. says, or does, in the business, states as a Virginian. to promote the object, the better. A distinction may perhaps be fairly taken between detecting cabals to injure me, especially if the discussion does not get into the papers, and efforts to produce an effect in my favor. The line must be drawn by the discretion of my friends, if I have any, and the thing goes on. An effort will be made in favor of some one in N. York & in some western state, probably Kentuckey as the secondary character. I have no doubt that the arrangement which I suggested to you, has been made, and that efforts are making to give effect to it. Such too is the feeling in regard to Virge, that if a man can be brought forward in New Yk., enjoying the public confidence, connected with one in Kentuckey, the prospect of its success will be very favorable. Mr. Jefferson has said nothing to any one to induce a belief that he thinks that I ought to be look'd to, & his immediate connections are decisive on the other side. If he continues silent, his weight will operate against me. To lessen its effect, the fact of his hostility may be denied, on the authority of our long friendship, the fact of my remaining steady to it, unchanged by the special mission &c &c., his own declaration that Mr. Madison & I were the friends on whom he most relied &c. If the nation can place its trust in other hands with safety, it will be done. All the enemies of the adm<sup>n</sup>. of the war &c., foreign & domestic will be enemies to me. A friend who pass'd sometime since thro' Albemarle, was at Wilson Nicholas's who interrogated him, as to the disposition here, and westward, relative to the successsor of Mr. Madison. That gentleman answer'd, that Armstrong, Tompkins, Clinton, Gerry, & myself were spoken of. He was pressed to state his own opinion, on which he declared it to be in my favor, as having been abroad, long in the publick service, there, & at home &c. The other party spoke disrespectfully of my pretentions. Peter Carr was at hand & appealed to by Nicholas, as to the temper of people at Winchester, who replied that he had never heard the idea of bringing a man forward from Virga. spoken of but with ridicule. T. Ringgold informs me that it is understood here that Mr. Madison is friendly to me—that such is the general impression—but from what circumstance I know not. The political harmony, the support I give him, are doubtless among them. Your friend JAS. MONROE.

## To [GEORGE HAY].

WASHINGTON, FEBY. 25. 1814

DEAR SIR,

You will receive with this your paper on impressment. The President has read it. In returning it to me, he remarked that it was a very able argument, pushed too far on some few points, particularly in the analogy between a merchant vessel, & the territory of any power. He seemed to fear that it might embarrass the gov<sup>t</sup>. on the question "of free ships making free goods" by exciting expecta-

tions that may not be verified, and a consequent disappointment. He supposed that the ideas might be so modified, as to say every thing you might desire, in favor of the principle, but still to distinguish betwe[e]n land and water, as on the land there is no concurrent jurisdiction, and on the ocean there is an exception to the absolute jurisdiction of a neutral, even in its own vessels, as in the case of enemies on board, contraband &c. I merely suggest the idea for your consideration.

Might it not be well to notice Croker's (a ministerial member in the h. of commons) distinction, that the person naturalized has two distinct characters, which are recognized in England, 1st, his new obligations voluntarily entered into with the British govt. 2d, those, applicable to his former sovereign which are not impaired—that the British government claimed of him only his individual engagements, leaving in full force his obligations by birth. This distinction is delusive & absurd. It will be easy to shew that, that if the British govt. exacts, the performance of his new obligations, he must violate under certain circumstances the old, and that in naturalizing at all, the act is nothing, or it abrogates, every former duty. The President supposed that this point might be brought in, at the end of the present paper. On this, I may add, something more he[re]after.

I have made a few notes, on certain points, as you will see on looking it over.

Your friend

JAS. MONROE

#### To GEORGE HAY.

MARCH 11. 1814.

DEAR SIR

A doubt in my own mind, of the most correct course, with a view to the public interest, and some doubt of the safety of the conveyance, prevented my sending you the enclosed papers, at the times they were written. You will perceive that they are in unison with a plan I had formed, before I had left this place last summer, as I explained to you in Albemarle in Sepr., when we met there.

At this time there is not less difficulty in deciding on the course which I ought to take. The failure of the campaign in its most important object, the demolition of the British power in Canada, with the waste of public money, owing as I presume, to the want of economy system & talent in the management of the war; the little prospect which present arrangements afford of better success or order in that dept., Wilkinson & Hampton to be tried by Ct. of Enquiry, Dearborn having asked one, and no one plac'd before the country to take command, in whom it has confidence, for Izard is to preside in the trial of Wilkinson; the probability that the loan will fail, and that its failure may affect the negotiations at Gottenburg, are facts which cannot but penetrate reflecting minds with much anxiety for the future. As soon as we heard that Newark was burnt & Fort George taken, I told the President that the Secry. at war ought to be removed, instantaneously. That I had no personal quarrel with him, or ever had, but that his removal was due to the public feeling & hope. This as you have seen was not done.

When I saw you last, you thought, and the facts which you stated, made much impression on my mind, that a notification of the kind contained in the enclosed paper (which is I think a copy of one which I shewed you) would be imputed to a belief, that the cabals against me in Virg\*., of which till then I had never heard, would sink me, and that the measure would be consider'd an act of pusilanimity. In Feby., and at an earlier period, some close friends here, whom I consulted on the subject, opposed it, in the expectation that I might render service without any such proof of disinterestedness, and that as my withdrawing all pretention &c, did not proceed from a desire to retire altogether, I ought (as all others had done) to leave the public to take their own course. At the present moment, such a step might be imputed, to a belief, that I had lost all confidence in the success of our affairs, and wished to escape the wreck, which is not true. I still think that we may save every thing, and terminate the war with honor, provided proper measures be adopted. What those measures ought to be at this time, and whether I ought, in connection with them to take any other station, is not clear as at former epochs. Some of our friends here think that I ought neither to retire, or quit my present station, for any other, but remain tranquilly where I am. You will of course conclude that, tho two, or three, whom I have communicated on the subject, were spoken to separately, in profound confidence, and are men of tried integrity & prudence. These friends think that having done my duty to the satisfaction of the public, where I am, I am not, and will not be held responsible, for what is done out of my dept., and that I may be more useful in it, than I could be in any other, to my country, & to the republican cause. You will give me your opinion on the subject.

The sentiments expressed in favor of the President have never undergone any change. In his personal friendship I have the utmost confidence. For all branches of the adm<sup>n</sup>., the military excepted, he has great talents, and no man is more virtuous, laborious, or devoted to his country.

You will of course not speak with any one living, except Eliza, on the subjects touched in this letter. Altho' I have no fear on that head, I doubt, from the danger, the very remote, incident to the conveyance, whether I ought to trust these sentiments by it. Let me hear from you on the rest of it.

Your friend
JAS. MONROE

To GEORGE HAY.

WASHINGTON, SEPR. 7TH. 1814

DEAR SIR.

I wrote you a short note the other day, to inform you, of the situation of my family in Loudoun, and of my own health. Since then I have heard from M<sup>n</sup>. Monroe, & Maria, & am happy to be able to report the acc<sup>t</sup>. of their good health. Retir'd however, and separated as they are from us all, they feel much pain in their situation. When I shall be able to relieve them is uncertain, as my present duties, more burthensome than ever, keep me continually employed, and seem to open no prospect of an interval to justify my absence from this place even for a day.

Some of my friends have complained, that I put myself in advance on the lines, on the debarkation of the enemy at Benedict, and connected myself with the military movement afterwards. They intimate that the preference thereby shewn, for military employment, may injure me, while my exposure to danger, in an inferior station cannot well be reconciled to the higher duties which the public claim of me. I think I can easily justify the part I have acted.

When the enemy landed at Benedict, the contemplated preparations for repelling the invasion, were in a very immature state. The necessary measures for defense had been delayed too long, before Gen1. Winder was plac'd in command of this district. They ought to have been made on a more enlarged scale 18 months past. I had most earnestly advised it; the President had approved the advice, but yet nothing had been done, untill just before my visit to Richmond, when it was decided, at the suggestion of the President, by the whole cabinet, that certain measures should be adopted for that purpose. These measures had not been carried fully into effect. In truth, Gen1. Armstrong had adopted it as a maxim that the enemy would not come here, & he invariably treated with scorn every suggestion of an opposite nature. Gen!. Winder tho a public man, a good patriot, brave, and active, wants military experience. I thought that by going forward I might aid him in all his measures. I knew that by being near the enemy, I might ascertain facts, & communicate views, which could not well fail to have the weight to which they ought to be entitled. My hope was to rescue the country from the reproach impending over it, and I trusted, if I faild to do it, that I should at least, place my own conduct, in its just light, before the nation. I had a horror, at remaining inactive here, to be involved indiscriminately in the censure, which would attach to others, and which so eminently belongd to the Secry. of war. On these principles I went forward & acted, and I am persuaded, that my calculation of the consequences, was not made in vain.

Had I not counted in some degree on my resources, under such circumstances, & in such difficult conjunctures, I should not have pursued this course. I knew also the comparative means of others. By advancing I hoped to place myself most distinctly on my own ground, not only, as to the part I had acted, in regard to the defence of this city, but certain traits of character, on which I set some value, and which it required some exertion on my part to bri[n]g into view. It is a strange fact, that in the dearth of talent, and other sound qualities, which has existed, been made manifest, & done so much injury, to our country, since the war, that there should have been any difficulty in obtaining, any military station that I might have been willing to accept. I had supposed that considering my past stations, services, & principles, with the probable aid I might give, the desire wod. have been strong to have brought me into command. I have thought that if the President, had any objection to it, it was founded in a desire to keep me here. That other views have animated others, and especially a party in Virge., I have well known. To render the efforts of that party, and of its confederates elsewhere, harmless, by useful services to my country, & a fair & honorable course of conduct, scorning the idea of personal attacks, on, or altercations with them or any of them, has been my steady endeavour.

After the defeat at Bladensburg, where I had form'd the line, and made the

disposition of our troops (which I mention in particular confidence, for I wish nothing to be said about me in the affair) and with whom I remain'd in the early part of the action, and untill the President came up with the Secry at war, who after exposing himself sometime to the fire of the enemy's rockets & cannon, remarked that the further direction of officers being entirely military, & Gen1. Winder present, he wish'd us, to leave it to him, & to take a position less exposed, which we, that is, the Presidt. the Secry, and I did. I aided twice in attempts to rally them. In short I did every thing in my power, to prevent the disaster of the day, without uselessly exposing myself, and to mitigating its evils afterwards. After the defeat, the occupancy of the city &c. by the enemy, on our return here, there was an universal wish that the entire direction of military affairs should be committed to me. The President, Mr. Rush, & I, returned to the city on the Saturday after the action, which was on Wednesday. The Secry of the navy on Sunday, & the Secy at war a day or two afterwards. On the President's arrival, Gen1. Winder was also absent, being at Baltimore. Alexa, had capitulated, and this city was on the point of doing it, to the Squadron ascending the Potomk, and it was understood that Georgetown would follow the example, and that Baltimore would most probably do it. Relative to the conduct of certain men at the latter place, much may appear hereafter, as is believed, to their dishonor. The prompt return of the President here, was intended to anticipate & prevent these evils, & it had the desired effect. As he Mr. Rush and I rode next morning to the navy yard, we were follow'd by Dr. Thornton, who stated to the President that the people of the city, were disposed, to capitulate. The President forbade it. He press'd the idea, as a right in the people, notwithstanding the presence of the govt. I turned to him, and declared, that, waving the military command, if I saw any of them, proceeding to the enemy, I would bayonet them. This put an end to the project. The doctor retired, & afterwards changed his tone.

In this state, the duties of Secy at war, and military commander vested in me. On the arrival of Gen<sup>L</sup> Armstrong there was an universal remonstrance of all the military collected here against acting under him, & the same sentiment prevailed equally with the citizens. The President requested me to continue to act. I replied that on our arrival, when the Secry was absent, it became me, to render any and every service in my power, but now that he had return'd, the official relation between us claimed attention from me; that it would be improper for me to take any step, within the limit of his dept. not known to and sanctioned by him. The President approved the sentiment, and had an interview & conference with him, the result of which, was, his departure from town the next morning, to leave the door open for my agency. Deputations had been sent to the President by all descriptions of persons, disclaiming confidence in, and expressing a desire for his removal, and in the exasperation of the moment, some had threatened to rid the country of him in a more efficatious way, with which it is believed he was acquainted. The Secry. has now resigned, and the question will be whether I will take the dept. of war, on which I shall be glad to hear from you.

The Secry at war has published a statement of the causes of his resignation &c. at Baltimore, which I have not yet read. I am told that he speaks unkindly

of the President, & imputes his resignation to intrigue, meaning I suppose that I have had an agency in it. This is beneath my notice.

These details may be interesting to you and Eliza. I may add others hereafter.

Your friend IAS. MONROE

To----.

WASHINGTON, DECR. 2d. 1814.

DEAR SIR

I had intended to write you fully my sentiments on the suggested amalgamation of parties in the adm., but I have not time to say more than a few words.

With whom would the treaty be formed? men of merit who had signalized themselves by their patriotism, in defending the rights of their country, in a contest which put everything at issue, or who, after having formerly, asserted those rights in public stations, had given them up, in the present war, denied the justice of the cause, and done everything in their power to prevent success, short of joining the standard of the enemy and bearing arms against their country? Your knowledge of our affra. will point at once, to whom the latter description applies, & with whom the compact would be formed. Could such a compact be made in good faith on their part? One which bound them to change their policy, to wheel completely round, for a price? Would their associates, who got nothing, go with them? I think not. They would support those who got into the cabinet, only, on the principle, that a breach had been made in the wall, which would open it to the whole party, and they would support the vanguard, only, while they saw they were not betrayed. As soon as these new adm<sup>n</sup>. men adopted a system of policy, which they had before opposed, they would be abandoned, and if they adherd to the former policy, they would paralize every effort, and either producing an the repuba, and party, or force on it and the party, new struggles, to extricate themselves from new dangers.

The republican adm<sup>n</sup>. act under a charter not to be violated. It is no justification to it, to say that it [was] thrown into great difficulties by a virtuous struggle with a foreign power, which have been greatly augmented by the unprincipled conduct of an internal party, to bargain with the latter, to lessen its difficulties, to save itself, under a pretext of saving the country. Such a bargain would ruin the adm<sup>n</sup>., the party, & perhaps the cause of free gov<sup>t</sup>.

There can be no change of adm<sup>n</sup>. but by the people. That must be by change of party. Compacts may be made in Engl<sup>d</sup>., where the ministry takes its power from the King. But it proceeds from the people. A compact by the adm<sup>n</sup> to admit into the cabinet, (not to act under it, in the army, or a foreign mission) in a participation of power, could not be justified in my judgment, on any correct view of the subject. The theory & motive, as suggested by you, is important & patriotic, but would be ruinous in practice.

I have this moment rec<sup>d</sup>. your letter of the 27<sup>th</sup>., which excites my surprise, at finding mine, in reply to your first hint, on the subject have not reached you.

Your friend

Jas. Monroe.

#### To George HAY.

WASHINGTON, JANY. 12th, 1815.

DEAR SIR

I lately received your letter relative to your essay on impressment, and a day or two afterwards, the work itself from M. Rush, whose indisposition, which still continues, render'd it impossible for him to attend to your wishes respecting the publication of it. I put it into the hands of M. T. Ringgold, who is employed in the dep! of war, & who will see the printers to morrow if in his power, and make the arrangements you propose.

I shall send you two papers, one with this, & the other by the next mail, which may amuse you and Eliza, & which I wish you to retain. The larger packet is a copy of the proceedings of Congress, in 1785-6-7. on Mr. Jay's project for shutting the mouth of the Mississippi for 25, years. You have heard much of this project. The principal papers in it are the speech of Mr. Jay, in Congress, as Secry. of foreign affairs, and a reply to it, in introductory remarks, to several resolutions presented by the delegates of Virga, the object of which was to take the negotiation essentially out of his hands. I drew the latter paper. The other proceedings, exhibit the details of that extraordinary transaction being an effort on the one side to carry the project, & on the other to defeat it. The object of the party was to separate the country, westward of the allegheny mountain from the union, an object which has been often attempted since, and is still cherished, by the same party. The copy is badly taken; many grammatical inaccuracies are apparent, in the part I have read, which, with the errors in punctuation, I wish you to correct in perusing it. The other paper contains a copy of my correspondence with Mr. Pickering on my return from France in 1797, preparatory to the publication of my views &c., which shortly afterwards took place. I regret now that I did not publish that correspondence in that book, as it is intimately connected with the whole subject, and interesting to me at least.

Mr. Monroe has had a bad cold near a week, accompanied some days with fever, but she is now so much better as to dine at table. Dr. Ellzey attended her a few days. I enjoy good health as does Maria. We have so far been peculiarly fortunate, as much sickness prevails, & some have died here. Tell Eliza that Maria talks much of her & Hortensia; that she is a most excellent child, without fault that we discover, and with the best qualities. She is apt at school, and getting forward in reading, writing & drawing.

The business at Congress gets on slowly. I fear that a bank will be instituted that will get into the hands of the Essex Junto & be turned against the gov<sup>t</sup>. Our friends want harmony and concert.

From N. Orleans we have recd. nothing new or decisive. Jackson is there & active. It may be said that he staid too long on the mobile, but as the Kentuckey & Tenessee militia passd Baton rouge on the 18 ult?, making about 5000 men & were in good spirits, & the militia of the mississippi territory were rising en masse, we may hope that the enemy would be repulsed. It is said that they were landing 21. miles below the city, at that date.

Your friend

JAS. MONROE

#### To GEORGE HAY.

WASHINGTON, MARCH 2, 1815

DEAR SIR

I have been replac'd in the dept. of State. On my own part I had no desire for it, or solicitude either way. The President remarked that the object which had carried me to the dept. of war had ceased by the peace: that the dept. of State would now resume its importance, as we had not a treaty with any power, and had to make them with several. This seemed to be the opinion of all my friends. I had but one objection, which applied to my shifting from one place to another. This, it was said, would be explained, by the causes which produced it.

The enclosed papers may afford to you and Eliza some amusement. It is generally thought that M<sup>r</sup>. Dallas's report on our finances, and mine on the military establishment, produc'd a good effect in England. You have probably seen, Cobbets comments, on the latter. It seems to have been concluded, that we should raise 100,000. men, & march with them, into Canada. It is probable that Ritchie would republish these passages from the two papers which I send you, & consider your offering them to him as an act of kindness, & civility. If you think otherwise return them to me & I will give them to M<sup>r</sup>. Gales.

I have been very desirous of procuring some employment for Charles, and had the war continued, should have been able to do it in the army, tho' perhaps not in a grade which he might have desired, & fairly expected. Eliza intimates a hope that he may be plac'd in the family, as Secry. of legation, of one of our ministers abroad. This is utterly impracticable. The ministers are generally consulted, as to the person, whom they take with them, & they generally prefer some near connection, or person whom they wish to patronize, or (in the case of those who are sent to the continent) who understands, well, the French language, & can supply their own want of it. In the present instances, the President wishes to break through this rule, & to appoint Mr. Purviance, & Mr. Carroll, who was (the latter) with Mr. Clay, tho' it may be added that there are many officers of rank, who have gained credit by their service in the war, who have solicited these appointments, among them Col: Drayton of So. Car: is one. He was at the head of the bar in that State, & recd. the last year of his practice, 15,000 dolrs. Even could he gain the appointment, I should think it injudicious to obtain it for him, as he would, at the end of a year or two, return, with perhaps increased habits of expence. Unless he was sure of advancement in that line, which none are, under our govi., having his fortune to make, I see no advantage which he could derive from commencing it.

I indulge the hope that we shall, all of us, retire to Albemarle, where we shall be neighbors, and be much together. Colletts farm, or rather Alexanders, will be for sale. He gave 5000 dol<sup>15</sup>. for it. A small part of mine added to it, would make a valuable estate, on which I should wish you to settle. Your books with mine would afford us sufficent amusement in that way. The improvement of the farms would give us exercise. My course will be fixed in a couple of years. If an event in which my friends take an interest, & which seems to be favor'd by the good opinion of many of my fellow citizens at this time, should occur, it will doubtless facilitate all measures having this project ultimately in view; and, pending that state of things, afford the means of bringing us much together,

under circumstances every way comfortable & agreeable. If it does not, I shall be at liberty to go home, which I shall do without a moments delay. In either case, I shall avail myself of the first favorable opportunity to sell my land in Loudoun, with a view to promote this arrangement, the first step to which will be the payment of my debts. My advice to you is, to dispose of your property in town, as soon as you can to advantage, and to apply a part of the money to the purchase of an establishment of your son, which I would make as respectable as he ought to expect, & even more so, considering that you own nothing but the fruits of your own industry, & have given him as good an education as you had receivd. The rest of your money might be plac'd in a bank, the interest of which you would require to supply the defect of crops &c. If there was a good prospect of great increase of value, in the Chickahomany property I would retain it; otherwise I would sell it, at a proper time. Our families are small, and it becomes daily more our wish to be more together, and I hope that it will be quite practicable. would give us great pleasure to see you this spring. I have much to do in the dept. of State, & must remain chargd with the dept. of war till a successor takes my place. Gen1. Dearborn is nominated, but his confirmation doubted. His duties will be defind, limited, & simple, confind principally since the peace, to the reduction of the army to a peace establishment, & to arrangments of an œconomical nature, including the completion of the fortifications &c. These require a good head, a good heart, an honest one, & method, rather than great talents. The oldest officer in the army, about to leave it, has no interest in forming a party in it. He possesses too all the knowledge requisite for the duties enjoined on him. If we cannot visit you, you must visit us when the roads are good. Of this we will communicate hereafter.

#### Your friend

IAS. MONROE

If you could come into the congress I should highly approve it; or even into the state assembly; but would nothing without a certainty of success, & support of whole republican party.

### To George HAY.

WASHINGTON, MARCH 5. 1815

DEAR SIR

I receiv'd yours of the 27th, to day, with one from Eliza to her mother.

I wish you to know every mov'ment that is made here, or that I become acquainted with elsewhere, but you cannot be too much on your guard, against those, who try to excite, for the purpose of drawing from you, your wishes & sentiments on all subjects.

I have known from the commenc'ment of the war, that it formed a crisis, which would try the strength of our government, and which required the greatest exertions & sacrifices from those who had to conduct it. I have been willing to make both. For the former, the public seem disposed to give me some credit. Happily they do not rest, on the presumptive evidence of late success only, but on authentic documents, which will, I think, evince a system, of active and timely measures,

well adapted to their objects, that will do me credit when I am gone. I do not anticipate, that it will be said, should this evidence ever come before the public, that the hasty retreat of the enemy from this river, their repulse at Baltimore, the safety of New York, of our frontiers, in their whole extent, of our coast, and the victory at New Orleans, were merely the effect of good fortune. We had undoubtedly good fortune, but we did something to secure it. My candid opinion is, that all dispassionate men will allow, (knowing facts) that I render'd every essential service to my country, while I held the war dept., in the interval between the burning of the publick buildings here, & the peace. When I enter'd the dept., every thing was in confusion here, and little done elsewhere, to provide for the pressure which the termination of the war in Europe enabled G Britain to make on us. Our finances were in the utmost derangment. I negotiated with every bank from New York to New Orleans, & procurd money, to supply the troops with provisions, clothing, transportation & partly with pay till Mr. Dallas came to our aid.

I shall take a copy of my correspondence, while in the dept. of war, which will form a vol:, & keep it among my papers. I will give you a view of it, as soon as it is finished. It will shew the extent of the objects, and the variety, to which I had to attend, from the movment of armies, to the smallest details, in every branch of the staff, and to other objects, not within the duties of the dept., but which the state of aff. forc'd on me.

On the other branch of the subject notic'd in the beginning of this letter I will write you in my next. I will observe only in this, that the principles which have governed me, are well known, and are such, as cannot fail to command the esteem of honorable minds. That, Virga, and my friends in Virga, are to be useful to me, if the promoting a certain result, is viewd in that light, by leaving things to other states, & taking no part whatever, in what concerns me. The less the state acts, the better the effect in other states; the less my friends act, the better the effect on the state generally. An attack on me by my enemies in Virga. (it not being provoked by my friends) would do me more good than harm in other states.

Your friend

JAS. MONROE

To George HAY.

WASHINGTON, JULY 5. 1815

DEAR SIR

I arrived here on sunday by the farm in Loudoun, improv'd in my health, tho' I movd with some rapidity. While in Albemarle, I had the trust for securing the payment of the debt to the bank witnessed, & acknowledged the other deed, before two magistrates of the country, both which instruments are left with Eliza. The last act was perform'd on the morning I left home at Milton, & Capt<sup>n</sup>. Meriwether one of the magistrates before whom the acknowledgment was made, took the deed & promised to send it to M<sup>n</sup>. Monroe, so that I conclude it has been receiv'd.

I think that Eliza had improve in her health, the its state was very unsettled & precarious. With great care & attention it may I trust be completely reestablished, but it will require time and a strict observance of the regimen prescribed,

by the eminent phisician, whom, she informs me, she has consulted. Her mother will devote herself to this object, which is so interesting to us, & regulate her movments in future with a view to it, remaining in Albemarle & Loudoun, that is in the upper country, while a residence there will be useful to her. We hope to have her with us here this winter, and we trust that it will not interfere with your engagements to be with us, untill her health is completely restor'd. I have been too short a time here, to decide, when it will be in my power to return to Albemarle. Mr. Dallas has been indisposd, & wishes some indulgence from his present labours, for the recovery of his health. For that purpose he proposes to make a visit to Phila., & remain there some weeks; & Mr. Crowninshield wishes to visit Boston. In their absence I ought to be here, or at no great distance from the city, in Loudoun for example, from which place I might return to it on notice, in a few hours ride. The accomo[da]tion in Albemarle is much the best, tho' not in reality bad in Loudoun. What I hope to accomplish is to proceed to Albemarle, in a few weeks, to stay there one week or fortnight, & then for us all to come to Loudoun, & for the family to remain there, untill it be safe for them to come here, which will be after the first frosts. In my absence they will be lonesome, unless you are with them, which I hope you will be as soon as in your power. I shall bring up the business of the dept. immediately, & endeavour to stay as long as I may be able in Albemarle, where I have much to attend to, but I am aware that any omission here will expose me to severe attacks, which many are disposed to make.

With Mr. Jefferson I had much friendly intercourse while at Albemarle, and I am convinced of the interest which he takes in my welfare. The day he dind with us, he seemed anxious that his disposition towards me should not be misunderstood, as he expressed such sentiments of my services, in the dept. of war, to others, as left no doubt on that head. Therefore he has been practic'd on by artful persons; but time & facts, the strongest of which has been my undeviating friendly deportment towards him, of which he has perhaps had more correct information of late, have put this in a true light. He is naturally frank & affectionate, and in my judgment, incapable of playing a double part. His enemies are never deceiv'd, by an improper confidence in his friendship. His whole family were kind to mine. It is most gratifying to me to cultivate this relation, since it has so long subsisted & been so sincere on my part. Dr. Everett has been persecuted by a party in the county, the same who persecuted me. He is an honest, & honorable, as well as enlightened man, but he ought to discriminate between the positive injuries, of the connections of Mr. Jefferson and the countenance he necessarily gives them, extended perhaps by misrepresentations made to him, & the excitment thus produced in his mind towards the Doctor, and any fix'd hostile purpose being entertained against him. I do not think that such exists, tho' I am aware that very unfavorable impressions, may have been made on him respecting the Dr. conduct even towards himself, which it will require time to remove. To this I will attend, as I will to the conduct of those who have so much annoyd & injurd the Doctor, provided I can be sometime in the county this fall. That persecution must cease, & I will endeavor to put an end to it. The same impression ought to be taken by my brother, & by his immediate connections. My decided opinion is, that an active intrigue is going on at this time against me, under the managment of W.

Nicholas, Giles, & others, and that Giles is now on a visit to New York to promote its objects. Who are the other parties to it, is not so evident, tho it is probable there may be many even at Richmond. Equally probable is it, that these two men prompted by personal ambition, & personal hostility its offspring, may act pretty much by themselves, and that others their quondam associates may now have no connection with them. I suspect none others of active hostility, tho it may exist. It is well to be on ones guard, & attentive to circumstances. Intimations have been given me that Mr. Randolph will come here, with the most hostile purposes towards the adm<sup>n</sup>., & towards me personally. O. Meade has said, to a friend of mine, that my object has been to preserve my relations with those people, that is, the relation of amity, which formerly existed, to keep them quiet, since it had been stated to him as a fact, that I had approv'd the whole political career of M. Randolph, & that there was proof of it. This fact he profess'd to have receive from W. Leigh, who said that I had written to him to that effect. As this allegation is entirely destitute of foundation; as, on the contrary, I knew nothing of Mr. R's attack on the adm. till after it was made, and never anticipated such a measure; as I regretted it, as soon as I heard of it, and expressed that to him in two letters; as I consider'd his course not only injurious to the republican party & cause, partaking in truth of a species of phrensy, but, so far as he might appear to be connected with me, highly injurious to me, I always deplored his conduct, and endeavor'd with due regard to delicacy to separate myself from him likewise in view of the public. This was not easily done, since he was not disposed, to stand on his own ground, and leave me on mine. You, chancellor Taylor, Mr Mc. Rae, and others, indeed Mr. Leigh himself, are well acquainted with all that took place on this point, & can do me justice. I felt, at all times, that I had just cause of complaint against Mr. Randolph, for his conduct in this respect. I thought, even when we were on the footing of the most friendly intercourse that had ever occurr'd between us, that he faild in magnanimity as well as in justice to me, in not placing this affair in its true light before the public. You may recollect that I express'd a wish to Mr. Leigh that it might be done, & shewing him my letters to Mr. Randolph, from London, intimated a desire that he, Mr. R., would give them publicity. Mr. Leigh said that Mr. R. could have no objection to it, but seem'd to decline any agency in promoting it. The sequel I need not detail. is, that I was reduc'd to the necessity by his conduct, either, of letting it be inferr'd & believed, that I had been acquainted with, & a party to his attacks on the adma, while I acted under it, thereby injuring my reputation for morality, which if friendly to me, he ought to have been solicitous to avoid, had he had no other motive for it, and was likewise acquainted with & a party to all his measures & proceedings after my return to this country, while I was at home, & had no knowledge of them, or of his views or intentions, having held no correspondence with him, or of terminating this imputed relation & cooperation, by some degree of force. Let me reappear, on the public theatre when I might, and it was just & proper that I should have a character of my own. I was no appendage to Mr. R. I had not been one to either of our Presidents, as public events & documents prove. I could not be one to this young man with whom I had little acquaintance, & that little of recent date, producd by his attentions, while I was in the govt. of

Virga., and afterwards, by the care which he imposed on me, voluntarily & most willingly, it is true, of his unfortunate nephew.

My feelings towards other members of the adm. at a certain time, and the propriety & even the justice, (to say nothing of the policy as to its effect, on the great republican party & cause) of making an attack on the adm<sup>n</sup>., were two distinct things. I never did contemplate an attack on the admn., and could & did not advise, or in any manner, directly or indirectly, sanction one. My feelings were communicated to Mr. Randolph, Mr. Leigh and others, but they were always treated as forming a personal consideration only, not as affecting the course which ought to be pursued, in regard to the great interests of the nation, with other powers, or that of any members of the republican party, towards a republican adm<sup>n</sup>. In forcing on me, as Mr. Randolph did by his conduct, the necessity of placing myself before the public, on ground entirely independent of him, he has I presume been offended, and we have seen enough of him to apprehend, that disappointment, even in such a case, and resentment, and even revenge are synonimous. Those who have had the most serious conflicts with him think unfavorably of his principles. I have imputed much to the violence of his passions; my acquaintance with him began under an impression in favor of his having magnanimity, & altho' that has yielded, I have reserv'd the liberty of forming a fixed opinion, on the more important trait of character. If he yields to passion in this case, I should not be surprised, to see, an attack from him on me, on the ground of my having prompted his attack on the adm<sup>n</sup>., when he first made it, and known and approv'd it in its subsequent stages, and to see likewise, all the manifestations of feeling, of a personal nature, communicated in confidence, brought forward & relied on as proofs, of the charge. This is not an improbable event, and from the intimation, above mention'd, ought to be look'd for. Whether Mr. Meade is guarded in his remarks, and spoke correctly of what he had heard from Mr. Leigh, I know not. Or whether both, in case he did, indulged the ordinary license used in electioneering contests only, is equally unknown to me. I ought to be prepar'd, for the attack, should it be made. That I shall vindicate myself against it, to the satisfaction of the public, I have no doubt. Knowing what I have stated you will look to the object, & incidentally, call to the memory of our friends, all the facts with which they were acquainted. Towards Mr. Leigh, I have strongly indulged that feeling, and would wish still to do it, if to be done with honor; tho' I am inclin'd to think that he has done much to put it out of my power. With him, of course you will be on your guard. It would be gratifying and useful to have him state in a frank & manly manner, all he knows on this subject; but if he is not the man I supposed him to be, and is the mere creature of Mr. R., looking for the means of injuring me in subservience to his view, any conversation with him, on the subject, will shew your sensibility to it, and may even operate disadvantageously. We have seen Randolph work round, attacking the admn. with increasing violence, praising the federalists & those of the monarchical stamp who were dead, and identifying himself with the acting party, more violent than they, attacking individuals in his course, & breaking off from almost every staunch republican, till it remains only for him to make the last attack on me. Having had to encounter so many attacks heretofore, and so many distressing collisions where there was no

attack, I own that this would give me pain. The managment of the reply, which would in fact be of my vindication, would require my greatest care & circumspection. It is in the character of this person, to make his attack with violence, in Congress, without any previous notice, to the party assaild, or connection with the subject under consideration. Personal attacks, can only be met personally, especially of the kind anticipated. It is one which however painful, I shall be far from shunning. Perhaps it is due to my reputation that it should be made. If made, I will do justice to myself in my reply, in all the circumstances, which it necessarily brings into view.

Wishing these circumstances & ideas known to you, I have gone further into them, than I ought to have done, considering my public duties, at this time. I I have not however said all that I intended. I shall add the residue hereafter.

Your friend,

JAS. MONROE.

#### To GEORGE HAY?

SACKETTS HARBOUR, Augt. 5. 1817

DEAR SIR

I wrote you yesterday from Brownville just as I set out for this place. I hoped then that I should be able to sail a few hours after my arrival here, but the wind was a head, & still continues so; we expect however, to get off this evening, or to morrow morning.

My reception at Watertown, 14 miles from this place, at Brownville, & here, will I fear give much offense to Mr. Ritchie, & bring on me, something more than an implied attack from that quarter. The whole population turn'd out, from the surrounding country, and met me at each village en masse. In crossing a bridge a mile from this town, there were 19. triumphal arches raised over it, one in honor of each State, whose name was inscribed on it, & on the first, was a large Eagle alive, & another on the last. I could not control this movment, more than those which occurr'd to the Eastward, and indeed at Baltimore, Phila., thro' the whole State of Jersey, & at New York. At night, this place was illuminated &c. of which I knew nothing, till this morning, having gone to bed early, in consequence of much fatigue. The military had nothing to do in this business. It was exclusively the act of the citizens.

Mr. R. notices my attending parties at private houses, at Boston, and mentions the names of some federalists, from which, and particularly, as he omits to mention, like calls, on republicans, I infer that he disapproves my calling on the former, on acct. of their politicks. The truth is, I consider'd before I left home, whether I would call on any one, and my bias was rather against it. In Baltimore, Gen!. Smith attended me to the battle ground, to the forts &c. in the morning, & on our return, led us, unknowingly to his own door, which we enterd & found a breakfast, prepared for us of which we partook. At Phila, I called on Mr. Yard, where my child was sick, & afterwards on Judge McKean, Mrs. Dallas, & Mrs. Morris, both of whom cried the whole time I staid, an old Mr. Willing, & perhaps

one or two more. At New York, I called on Mr. Gouverneur, Mr. Knox, old Mr. Rutgers, Gen!. Marston & several others. I did the same at other places, as I went along, and could not therefore decline doing it at Boston. Before I got there, & indeed from the commenc'ment, I had disregarded party in that circumstance, and in consequence did so thus. With respect to calling at private houses, in my route, I am satisfied that in so doing, I did right. The hereditary chiefs of the European govis. do it; on what principle then, can the representative of a free people, refuse to do it. Wherever I did call, there was some marked circumstance attending it. I call'd, for example, on Gen1. Dearborn, on the widow of the late Mr. Hancock, and of the late Vice President, on Mr. Gray & on Mr. Adams. Mr. Otis, and Mr. Bigelow (federalists) were of the committee of arrangement, according to my recollection, tho Mr. Lloyd, Mr. Jones, & some others were not; they were highly respectable citizens, & their houses gave commanding view of the town and harbour of Boston, as did that of Lt. Gov. Philips. As to the question, whether, I would call on federalists, provided, they came forward, & lost sight of party in regard to me, it appeared to me, that there could be no cause for doubt; that in fact, it was, of the highest importance, to my country, that I should do it. Had I failed to do it, I should have lost all hope, of accomplishing, an union of parties, in the support of our republican govt. By repelling them, I should have excited their resentment against me, and thereby tended to confirm them in their former system of conduct. By a generous & liberal conduct towards them, I place them on honorable ground, and facilitate essentially, their union with the republican party. Of the effect of my tour, & of the course of policy which I have pursued, in this respect, the information which I have received, from the best sources, is the most consoling. I am aware, that too implicit confidence, ought not to be plac'd in these assurances; that future good conduct, ought to be receiv'd as the only sure pledge of a change. When I commit error, I may be reproached for it. If I go before the republican party, in committing high trusts, to any of these men, on specious appearances only, thereby wounding the feelings of the republican party, & giving new hopes, & of course new strength to the federalists as a party, then I shall merit censure, and shew myself unequal, to one of the most important duties of the office I hold. Nothing of this kind can yet be imputed to me, nor does it comport, with my views, or principles, to commit such an error. I wish to bring about an union of the whole population of our country, in support of our republican govt., which can be done only, by an union of parties on republican principles. A premature favour, of any leading federalist, would tend to defeat that object, by exciting the resentment of the republicans, at the same time that it cemented the federalists, who would infer that it proceeded from fear of them as a party, whereby the two parties would be kept asunder, and I, by an act of folly, not only, defeat the great object, which I have most at heart, but lose the confidence of those with whom I have always acted, & who possess, in the highest degree, mine.

After the great divisions & collisions, which have existed in our country, I know that there will be much difficulty, in bringing about the union contemplated, & that in attempting it, I expose myself to the attack, if not to the suspicion of meriting it, by a change of principle on my own part, of many in our own party. But

if I act, with a sound discretion, profiting of my long experience in the affairs of mankind, I think that such an attack, will not do me much harm. It will be more likely to injure its authors than me. While I pursue the past principles of our republican govi., its friends cannot attack me, with success, on the pretence of a departure from them; and there are very few of them, who will attack me at all. Those of that party, who do attack me, will be found to consist of men, bearing personal hostility to me, from some selfish consideration or other, and I shall be disappointed, if their motive is not soon seen thro, by the public, to their disadvantage. With respect to the incidents of this tour, be assured, that nothing has occurr'd, which can be turned to my injury. When I saw so vast a mov'ment, with so great an excitement, thousands, & tens of thousands, on the streets and high roads, many old men, shedding tears, & coming up to me, merely to shake me by the hand & say, "be firm to the cause; I will die, in support, of our free republican govt.," & then retiring; when I saw some reading the scriptures, as I pass'd, and not even looking from them, & the whole community agitated, I could not believe it to be a thing of form; or one that I could control, or ought to repress. I soon trac'd the cause, to the highest and most noble motive that can animate the human heart, a profound attachment to our republican institutions, the evidence of which was most strong to the Eastward, because the great body of the people knew that they had held a station & acted a part in the late war, under the influence of circumstances, which they could not control, which had put their principles & character in doubt, & by which they had been humiliated & mortified. When these people saw me come among them, in the highest office of the country, in a spirit of amity & conciliation, & not of censure and reproach, one who had been so much reviled, & which, their leaders now acknowledged that I have not deserved; when they saw me, attentive, to great objects of national concern, & even to those of a local nature, in all of which, they were deeply interested, their noblest feelings were roused, & they rose, and came, in mass, to meet me. I put them at ease, at once, by assuring them, that I took nothing to myself, in all the manifestations of respect & consideration, which I saw; that my humble services gave me no such claim; that I knew that their mov'ment was to be imputed to their devotion to their govi.; to the free republican govi., which they had instituted, for their common good; that my appearance brought to their recollection, with much sensibility, all the advantages which they enjoyed under that govt., & confirmed them in the unalterable purpose of supporting it. In none of my answers will you see, any pretention, set up by me, but an uniform disclaimer of any, in all you will see justice done, to my predecessors, & particularly, the two last, since in their terms only, did any question arise, in the quarters referred to. In this respect, I have gone out of my way, more than once. Attacks on me from such men as Mr. Ritchie, appears to be, by the paper mentioned in my last, or by any men in the spirit of that paper, in relation to my tour or my conduct in it, will I think soon recoil on them, & by the efforts & explanations of many who were spectators, who, were disinterested, & therefore most entitled to credit, as to all the important facts.

Believing that will be interesting to you, & to my whole family, to receive these details, in addition to those heretofore communicated, I have availd myself of this unexpected leisure, to give them.

My health is I think better, in consequence of less fatigue of late. The whole country here, is healthy, & I think I shall derive advantages from being on the lake, in a good brig, where I shall be quiet, & have good air. The ill health of our troops in the late war proceeded, principally, if not altogether, from the want of cloaths, exposure to bad weather, at all seasons, & to bad cooking. I take care to avoid the water, and every other cause, that has been thought dangerous.

Your friend

JAS. MONROE.

In the course of this tour I have been compelled to answer four or five addresses in a day as I have passd forward, not one of which, I had seen, or heard, till read, & in some instances, have had cause to presume, that I had been peculiarly successful. How does this fact, if true, correspond with the dullness, and slowthful operation of faculties, imputed to me by Mr. Wirt. I have been particularly hurt, by that allegation against me, from so respectable a quarter, because I candidly think that if I have any marked feature of character it is that of promptitude in any and all situations in which I have been or may be placd. I have been much mortified to see, that portrait, circulated about, by those who quoted it, in my favour, apparently, at least. The trial of my faculties, and of the prompt command of them, was the greater, from the consideration that my mov'ment was so rapid, that I was seldom more than five or six hours in bed, in any one day of 24.; that the committees of arrangement who met me at the entrance into every town, with numerous escorts who attended me thro' it, kept me always in a crowd; that the heat was great, the dust excessive, and above all, that my health was delicate. I knew that if I failed, or even stopped, on account of fatigue, that reports would get into circulation, respecting my ill health, which would distress my family, and injure my political standing; I therefore continued to make the greatest exertions in my power. My constitution, has, I trust, got the better of all the difficulties, to which I have been exposed.

## A LIST OF RUSSIAN AND OTHER SLAVONIC PERIODICALS IN THE NEW YORK PUBLIC LIBRARY.

All works noted below are located in the Slavonic department at the Astor branch. Publications of Russian learned societies, included in the list of such periodicals in the *Bulletin*, volume 2, pages 289-309, 335-350, are not repeated here.

Akty Wilenskoi Archeograficheskoi Kommissii (Documents of the Wilna Archeographical Committee). v. 1-27. Wilna, 1865-1900. 27 v. f°. Edited by P. Kukolnik.

Adres-Kalendar (Address-Calendar). St. Petersburg, 1899. I v. 8°.

Published by The Imperial Office.

Adres-Kalendar Orenburgskoi Gubernii (Address-Calendar of the Government of Orenburg).

Orenburg, 1899. I v. 8°.

Published by the Orenburg Government Statistical Committee.

Almanakh-yezhegodnik na 1899 (Annual Almanack). St. Petersburg, 1898. 1 v. 8°. Edited by P. O. Yablonski.

Americky Sbornik (American Magazine). nos. I-18. New York, 1898. 8°.

Bohemian-American literary monthly, edited by P. Albieri.

Amerikanski russki myesyatzoslov (American-Russian-Slovenian Calendar). New York, 1900. I v. 8°. Published by P. J. Zhatkovich.

Amerikanski Pravoslavny Vyestnik. "Russian Orthodox American Messenger." New York, 1899'oi. 3 v. 4°.

'OI. 3 v. 4°. Current. Fortnightly. Theological journal, edited by A. Hotovitzky.

Archiv für slavische Philologie. v. 1-23. Berlin, 1876-1901. 23 v. 8°. Current. Semi-annual. Edited by V. Jagic.

Arkhiv knyazya Vorontzova (Archives of Prince Vorontzov). v. 1, 3-8. *Moscow*, 1870-76, 7 v. 8°. Historical documents, edited by P. Bartenev.

Ateneum (Atheneum). 1898-1900, 1901 (no. 1-6). Warsaw, 1898-1901. 4 v. 8°.
Polish literary monthly, edited by I. Chrzanowski. Discon-

**Biblioteka** dlya chteniya (Library for reading). 1834, '36, '41-'42, '45-'46, '49-'50, '52, '57-'58, '60-'61. St. Petersburg, 1834-61. 13 v. 8°. Literary monthly, edited by O. Senkovski.

Biblioteka Warszawska (The Warsaw Library). 1898–1901. Warsaw, 1898–1901. 4 v. 8°.

Current. Polish literary monthly, edited by A. Krasinski. **Brankovo** Kolo. 1900–1901. *Karlovits*, 1900–701. 2 v. f°.

Current. Servian literary weekly, edited by P. Adamov.

Budushchnost (The Future). v. 1-2. St. Petersburg, 1000-'01. 3 v. f°. Current. Russian-Jewish weekly, edited by S. O. Gruzenberg.

— Same. Annual supplement. v. 1-2. St. Petersburg, 1900-'or. 2 v. 8°.

**Bulletin** russe de statistique financière et de legislation. Année 1-6 (1894-'99). St. Petersburg, 1894-1901. 10 v. 8°.

Current. Edited by G. Barbet de Vaux.

Coská Revue (Bohemian Review). v. 3-4. (1899–1901.) Prague, 1899–1901. 5 v. 8°. Current. Literary monthly, edited by E. Frida and B. Rayman.

Cosky Lid (The Bohemian People). v. 8-10 (1898-1901). Prague, 1898-1901. 4 v. 8°. Current. Bi-monthly. Bohemian literary magazine, edited by C. Zibrt.

**Drevnyaya** i novaya Rossiya (Old and New Russia). St. Petersburg, 1875-'77. 6 v. 4°. Illustrated monthly, edited by S. Shubinsky.

**Dyelo** (The Deed). 1877 (no. 4, 5). St. Petersburg, 1877. 1 v. 8°.
Literary monthly, edited by N. Shulgin.

God (The Year). v. 1-2. St. Petersburg, 1872'74. 2 v. 8°.
Historico-political annual, edited by L. Polonski.

Hromada (The Community). Geneva, 1878-'82. I v. 8°. Little-Russian socialistic annual, edited by M. Dragomanov.

Illustrirovannaya Gazeta (Illustrated Gazette). St. Petersburg, 1870. I v. f°.

Illustrated weekly, edited by V. Zotov.

Illustrated World).
1888, '91. St. Petersburg, 1888-91. 4 v. f°.
Illustrated weekly, edited by C. Okreitz.

Illyustrataiya (Illustration). St. Petersburg, 1846. Iv. f°.
Illustrated weekly, edited by N. Kukolnik.

Imperatorskaya Akademia Nauk (Imperial Academy of Sciences). Izvyestiya (Tidings). v. 1-32 (1860-88); nouv. ser. v. 1-41-2 (1890-94); 5. ser. v. 1-14 (1894-1901). St. Petersburg, 1860-1901. 43 v. f°. Current.

Imperatorski Moskovski Universitet (Imperial Moscow University). Uchenyya zapiski (Scientific memoirs of Jurisprudence). Moscow, 1895. I v. 8°.

Imperatorskoe Moskovskoe Obshchestvo istorii i drevnostei Rossiskikh (Imperial Moscow Society for Russian History and Antiquities). Vremennik (Periodical). v. 10, 15. *Moscow*, 1851-52. 2 v. 8°. Edited by I. Byelayev.

Imperatorskoe Odesskoe Obshchestvo Istorii i Drevnosti (Imperial Odessa Society for history and Zapiski (Memoirs). v. 18-21, 23. antiquities). Odessa, 1895-'98, 1901. 5 v. 4°.

Imperatorskoe russkoe istoricheskoe Obshchestvo (Imperial Russian historical society). Sbornik (Collections). v. 1-113 (1867-1902). St. Petersburg, 1867-1902. 113 v. 8°.

Iskusstvo (Art). Oct., 1898-Sept., 1901. St. Petersburg, 1898-1901. 4 v. f°.

Current. Art monthly, edited by N. Sobko. For its supplement see Khrontka Zhurnala Iskusstvo.

Istoricheski Vyestnik (Historical Messenger). v. 35-38, 67-85 (1889, 1897-1901). St. Petersburg, 1889-1901. 23 v. 8°. Current. Literary monthly, edited by S. Shubinski.

Isvyestiya Odesskoi Gorodskoi Dumy. (Tidings of the Odessa City Council).
Odessa 1807-1001. q v. 8°. 1897-1901. Odessa, 1897-1901. 9 v. 8°. Current. Semi-monthly. Edited by T. Matkovski. 1897

Kalendar diya Amerikanskikh Rusinov (Calendar for American Ruthenians). Olyphant, Pa., 1902. IV. 12°. Edited by C. Lotz.

Kalendar Pravoslavnavo Obshchestva (Calendar of the Greek Orthodox Society). New York, 1901-'02. 2 v. 8°.

Edited by B. Turkevitch.

Khronika Zhurnala Iskusstvo (Chronicle of the Journal "Iskusstvo"). Monthly supplement, Oct. 30, 1900-Sept., 1901. St. Petersburg, 1900-

Current. Edited by N. Sobko. Bound with "Iskusstvo," Knizhki Nedyeli (Books of the Week). 1889 (no. 5-7), 1898-1900. St. Petersburg, 1889-1901. 13 v. 8

Monthly supplement to "Nedyelya," edited by Gaideburov. With 1901, no. 1, it ceased publication.

**Knishny** Vyestnik (Book Messenger). v. 15-18 (1898-1901). St. Petersburg, 1898-1901. I v. 8°. Current. Bibliographical weekly, edited by N. Fenu. In January, 1902, the monthly edition was incorporated with it.

Knizhny Vyestnik (Book Messenger). v. 15-18 (1898, no. 3-12, 1899-1901. St. Petersburg, 1898-1901. I v. 8

A bibliographical monthly, edited by Fenu. It was incorporated with the weekly edition in January, 1902.

Kometa (The Comet). Moscow, 1851. I v. 8°. Annual, edited by N. Shchepkin.

Kosmopolis (Cosmopolis). No. 1-3 (1897), 1898 (no. 1-10). St. Petersburg, 1897-98. I v. 8 No more published. Literary monthly, edited by F. D. Batyushkov

**Kurejas** (The Kindler). 1900 (no. 1-19). *Chicago*, 1900. 1 v. 4°. Lithuanian anarchistic weekly.

Kurver Nowojorski (New York Courier). Rok 946-52, 10, 111-47, 121-3, 6-8, 43-51 (1898-1901). New York, 1898-1901. 4 v. f°. Current. Polish general weekly, edited by J. Janusz.

**Kuryer** Polski (Polish Courier). Rok 9-14 (1896-1901). *Milwaukee*, 1896-1901. 6 v. f°. Current. Polish-American daily, edited by M. Kruszka. Rok 10 and 12 lack a few nos.

Lietuva (Lithuania). Metas 6-9 (1898-1901). Chicago, 1898-1901. 5 v. f°.

Current. A general weekly, edited by A. Olszewski. Metas 6 lacks nos. 1, 8, 11, 16.

Lietuvis (The Lithuanian). 1901 (nos. 1-6, 8-10, 12). Philadelphia, 1901. I v. f°.

A general monthly, edited by  $\hat{\mathbf{A}}$ . A. Jocis. Ceased publication  $\hat{\mathbf{O}}\mathbf{ct}$ ., 1901.

Materialy dlya istorii Russkavo Sotzialnorevolyutzionnavo dvizheniya (Material for a history of the Russian Social-Revolutionary Movement). Geneva, 1893-'96. 3 v. 12°.

Edited by P. Lavrov.

Mir Bozhi (God's World). 1892, '96-'98, 1900. St. Petersburg, 1892-1900. 32 v. 8°.

Current. Literary monthly, edited by V. Ostrogorski.

Mitauscher Kalender für 1902. v. 33. Milau. I. Sleffenhagen & Son, 1902.

German-Russian almanach.

Morskoi Sbornik (Naval Magazine). v. 20. St. Petersburg, 1856. I v. 8°. Naval monthly.

Mysl (Thought). St. Petersburg, 1880-'82. 6 v. 8°.

Literary monthly, edited by N. Wagner.

Narodnoe Khozyaistvo (Peoples Economy). v. 2-31-3 (1901-02). St. Petersburg, 1901-02. 2 v.

A monthly for social science and economics, edited by L. Khodski.

**Nedyelya** (The Week). 1899-1901. St. Petersburg, 1899-1901. 3 v. f°.

Literary weekly, edited by V. P. Gaideburov. It ceased publication with no. 30 of 1901. Continued as Novoe Dyelo. For its monthly supplement see Knizhki Nedyeli. 1900 lacks no. 27.

Niva (The Floor). 1875, '77, '79-'91, '94, '96-26 v. 1901. St. Petersburg, 1875-1901. Current. Illustrated weekly, edited by R. Sementkovski.

Niva (The Floor). St. Petersburg, 1896-1901. 21 v. 8°.

Current. General monthly, edited by R. Sementkovski.

Nov (New Land). 1885-'86, '87 (nos. 9, 10). St. Petersburg, 1885-87. 13 v. 4°. Illustrated. Semi-monthly. Edited by A. Wolf.

(31). St. Petersburg, 1901. I v. f°.

Literary weekly, edited by A. N. Pyeahkova-Tolivyerova. Continuation of Nedyelya

Novoe Slovo (The New Word). 1894, 1895 (nos. 10-12), 1896 (nos. 1-9), 1897. St. Petersburg, 1894-97. 4 v. 8°.

Literary monthly, edited by A. Slyeptzov.

Novoye Vremya (New Times). 1900-'01. St. Petersburg, 1900-01. 5 v. f°.

Current. Political daily, edited by A. Suvorin.

**Obsor** vnyeshnei torgovli Rossii (Review of the foreign commerce of Russia). 1876-'80, '82-'84. St. Petersburg, 1876-84. 8 v. f°.

Pub. by The Ministry of Finance, Department of Customs.

Oskolki (Chips). 1884, '88-'89, '91-'94, '97-1900. St. Petersburg, 1884-1900. II v. f°. Humorous weekly, edited by N. Leikin.

Osnova (The Foundation). St. Petersburg, 1861. I v.

Literary monthly, edited by V. Byelozerski.

Otechestvennyya Zapiski (Annals of the Fatherland). 1846, '50, '60, '75-'83. St. Petersburg, 1846-83. 72 v. 8°.

Literary monthly, edited by A. Kraievski.

Pamyatnaya Knizhka Astrakhanskoi Gubernii (Note-Book of the Government of Astrakhan). 1896, '99–1900. Astrakhan, 1896–1900. 3 v. 8°. Annual.

Panteon literatury (Pantheon of Literature). 1891-'94. St. Petersburg, 1891-94. 4 v. 8°. Literary quarterly, edited by A. Chudinov.

Panteon russkavo i vsyekh Evropeiskikh teatrov (Pantheon of Russian and all European Theatres). St. Petersburg, 1840. 4 v. 8°. Annual. Edited by V. Polyakov.

Pchela (The Bee). St. Petersburg, 1877. I v.

Illustrated weekly, edited by M. Mikyeshin.

Pershi Rusko-Amerikanski Kalendar "Soyuza" (First Russian-American Calendar "Union") Mt. Carmel, Pa., 1807. I v. 8°. Edited by N. Dmitrov.

Polak w America (The Poles in America). 1901 (nos. 172, 173, 175, 179-221). Buffalo, 1901. 2 v.

Current. Polish general weekly, edited by S. Slisz.

Pravitelstvennyi Vyestnik (Official Messenger). St. Petersburg, 1901. 3 v. f°. Current. Political daily, edited by K. Sluchevski.

Priroda i lyudi (Nature and People). 1879. St. Petersburg, 1878-1879.
Illustrated monthly, edited by A. Ilyin. 8 v. 8°.

Priroda i okhota (Nature and Hunting). 1882, '84-'85, '88. Moscow, 1882-88. 30 v. 8° Illustrated monthly, edited by L. Sabanyeyev.

Priroda i zemlevyedyenie (Nature and Geography). St. Petersburg, 1863. I v. f°. Weekly, edited by P. Olkhin.

Przeglad Wszechpolski (Polish Review). 4-7 (1898-1901). Lemberg, 1898-1901. 3 v. 8°. Current. Polish literary monthly, edited by S. Nowicki. 1898 semi-monthly. v. 6 lacks no. 4.

Ratnik (The Warrior). 1879 (no. 1-7), 1880 (no. 1-8), 1881 (no. 1-8), 1883-'85 (no. 1-9), 1886 (no. 1-8), 1887 (no. 1-10), 1888 (no. 1-2), 1889 (no. I-9), 1890 (no. I-9), 1891 (no. I-10), 1892 (no. I-8), 1893 (no. 1-5), 1894 (no. 1-12), 1895 (no. 1-10), 1896 (no. 1-7), 1897 (no. 1-12), 1898 (no. 1-9). *Belgrade*, 1879-'98. 19 v. 8°.
Bulgarian army organ, edited by J. Atanatzkovich. Monthly.

Razsvyet (The Dawn). St. Petersburg, 1860-61. 2 v. 8°

Literary monthly, edited by V. Krempin.

Rasvyedchik (The Scout). St. Petersburg, 1893. I v. f°. Military weekly, edited by V. Berezovski.

Repertuar russkavo teatra (Repertoire of the Russian Theatre). St. Petersburg, 1840. I v. 8°. Theatrical monthly, edited by I. Pesotzki.

**Rigascher** Almanach. *Riga*, 1869. I v. 16°. Published by W. Häcker.

Rodina (The Mother-country). 1892, '94, '96-'97. St. Petersburg, 1892-97. 4 v. 4°. Illustrated weekly, edited by I. Panomariov.

Rus' (Russia). Moscow, 1883-'84. 2 v. 8°. Russian Panslavic semi-monthly, edited by I. Aksakov.

Russkaya Besyeda (Russian Discourse). 1856, '58-'59, '95-'96. Moscow, 1856-96. 10 v. 8°. Russian Panslavic quarterly, edited by A. Koshelev and I.

Russkaya Mysl (Russian Thought). Moscow, 1885-1901, 110 v. 8°.

Current. Literary monthly, edited by V. Lavrov.

Russkaya Ryech (Russian Speech). St. Petersburg, 1880. I v. 8°

Literary monthly, edited by A. Navrotzki,

Russkaya Starina (Russian Antiquity). v. 1-61, '97-108 (1870-89, 1899-1901). St. Petersburg, 1870-1901. 73 v. 8°.

Current. Historical monthly, edited by N. Dubrovin.

Russkaya zhizn v Amerikye (Russian life in America). v. 11-26 (1898/99). New York, 1898-99. Iv. 4°. Ceased publication. Russian-American weekly, edited by B. Bogen.

Russki Arkhiv (Russian Archives). 1864-'79, '80 (no. 1-3), '81-'82, '84-'89, '99-1901. Moscow, 1864-1901. 80 v. 8°. 1864-1901. 80 v. 8°. Current. Historical monthly, edited by P. and J. Bartenev.

Russki Kalendar (Russian Calendar). St. Petersburg, 1889-'93, '99-1900. 4 v. 8°. Pub. by A. Suvorin.

Russki Vyestnik (Russian Messenger). v. 192-2, 20, 211-2, 22-27, 281-2, 29, 301-2, 31, 139-263 (1859-60, 1879-1901). Moscow, 1859-1901. 138 v.

Current. Literary monthly, edited by M. Katkov.

Russkoe Bogatstvo (Russian Wealth). 1880-'81, '86, '96, '99-01. St. Petersburg, 1880-1901. 49 v. 8°. Current. Literary monthly, edited by V. Korolenko and

N. Mikhailovski.

Russkoe Obozryenie (Russian Review). 1890, '92, '95-'96. Moscow, 1890-96. 24 v. 8°. Literary monthly, edited by D. Tzertelev.

Russkoe Slovo (The Russian Word). Petersburg, 1859-'60. 24 v. 8°.

Literary monthly, edited by Kushelev-Bezborodko. S.- Peterburg. Illustrirovannyi zhurnal. (St. Petersburg. Illustrated journal). St. Petersburg,

1895. I v. 4°. Illustrated weekly, edited by N. Sarycheva.

**Sokol** (The Hawk). Rok 1-5 (1896-1901). *Chicago*, 1896-1901. 6 v. 4°.

Current. Polish general monthly, edited by E. Reichel. Rok 4 lacks no. 9.

Sotzial-Demokrat (The Social-Democrat). London, 1890-'92. 1 v. 8°.
A Russian quarterly, edited by V. Aleksyeyev.

Spravochnyi Listok (Reference paper). 1892 (no. 1-8). New York, 1892. I v. 4

Russian-American literary semi-monthly, edited by E. Rosenthal and M. Gretch.

**Svoboda** (Liberty). v. 715-52-9 (1899-1901). Olyphant, Pennsylvania, 1899-1901. 4 v Current. Ruthenian-American general weekly. 4 V.

Svobodnaya Mysl (Free Thought). nos. 1-13 (1899-1901). Geneva, 1899-1901. I v. 8°. Russian socialistic monthly, edited by P. Biryukov.

Svobodnaya Rossiya (Free Russia). nos. 1-3 (1889). Geneva, 1889. I v. 4°.
Russian socialist monthly, edited by V. Bartzev and V. Debogori-Motrievich.

Svobodnoe Slovo (Free word). England, 1898-'99. 2 v. 12°. Socialist Annual, edited by P. Biriukoff.

Svyet (The Light). New York, 1902. Iv. f°. Current. Ruthenian-American religious weekly, edited by Ben. J. Turkevich.

**Telegraf** (Telegraph). Rok 2-6 (1897-1901). Chicago, 1897-1901. 6 v. f°.

Current. Polish general weekly, edited by C. Pettkoske. Rok 2 lacks nos. 5, 45.

Torgovo-Promyshlennaya Gazeta (Commercial industrial Gazette). v. 9145-288 (1901). St Petersburg, 1901. 2 v. f°.

Current. Daily. Edited by M. Fiodorov.

Tovarisheh, kalendar dlya uchashchikhsya (The Companion, Calendar for Students). 1899/1900. St. Petersburg. 1899. 1 v. 24°.

Edited by O. Kirchner.

Trud (Labor). 1892. St. Petersburg 1892. 4 v. 8°.

Literary monthly, edited by E. Hoppe.

Trudy Bessarabskoi Gubernskoi uchenoi Arkhivnoi Kommissii (Works of the Bessarabian Government Learned Archives Commission). v. 1 (1900). Kishinev, 1900. I v. 8°. Edited by I. Khalippa.

**Tygodnik** Illustrowany (Illustrated weekly). 1898–1901. Lemberg, 1898–1901. 5 v. f°.

Current. Polish illustrated weekly, edited by J. Wolf. 1898 lacks nos. 41-42.

**Tygodnik** Nowojorski (New York Weekly). Year I-2 (30 Aug. 1900-Dec. 1901). *New York*, 1900-'01. 3 v. f°.

Current. Polish general weekly, edited by L. F. Wazeter.

**Tygodnik** Romansow i Powiesci (Journal for Romances and Novels). 1899. *Warsaw*, 1899. I v. 4°.

Polish weekly, edited by S. Lewental.

Vienybe Lictuvniku (Lithuanian Unity). Metas 12-16 (1897-1901.) Plymouth, Pennsylvania, 1897-1901. 6 v. f°.

Current. Lithuanian-American general weekly, edited by J. Pauksztis. 1897 lacks no. 4.

Vladivostk. 1900-'01. Vladivostok, 1900-'01. 3 v. f..

Current. A general weekly, edited by N. Remezov.

Voenno-statisticheski sbornik (Military-statistical Magazine). 1871. St. Petersburg, 1871. I v. 4°.

Edited by N. N. Obruchev.

Vokrug Svyeta (Around the World). St. Petersburg, 1864-'65. 2 v. 4°.

Scientific weekly, edited by P. Olkhin.

Vokrug Svyeta (Around the World). St. Petersburg, 1897. Iv. f°.

Geographical weekly, edited by E. Kiselev.

**Voskhod** (The Dawn). v. 12-20 (1893-1901). St. Petersburg, 1893-1901. 8 v. 4°.

Current. Russian-Jewish weekly, edited by A. Landau (from No. 18, 1809, by M. Syrkin). Pub. semi-weekly from Nov. '90-Dec. 1001. Title was Khronika Voskhoda, until it changed to semi-weekly with v. 18, no. 46.

**Voskhod** (The Dawn). v. 1, 3-22 (1881, 1883-1901). St. Petersburg, 1881-1901. 8°.

Current. Russian Jewish monthly edited by A. Landau, and from 1899 by M. Syrkin.

**Vrach** (The Physician). 1895 (nos. 22-23, 29-41, 43-51), 1897 (nos. 2, 11, 14, 16-20, 22, 26, 28, 33, 35, 37, 39-40, 46), 1898 (nos. 5, 48), 1899 (nos. 47-52), 1900 (nos. 1-26, 18-52), 1901 (nos. 1, 3, 5-22, 24-32, 35-52). St. Petersburg, 1895-1901. 6 v. f°.

Medical periodical, edited by V. A. Manassein and S. Vladislavlev. Weekly.

**Vremya** (The Time). 1862. St. Petersburg, 1862. 1 v. 8°.

Literary monthly, edited by M. Dostoyevski.

**Vsomirnaya** Illustratziya (The World's Illustration). 1871-'75, '78-'81, '83-'84. St. Petersburg, 1871-84. 19 v. f°.

Russian illustrated weekly, edited by H. Hoppe.

**Vseobshchi** Kalendar (General Calendar). 1889, 1899, 1902. *St. Petersburg*, 1889. 3 v. 8°. Pub. by H. Hoppe.

Vyek (The Century). 1882. St. Petersburg, 1882. Iv. 8°.

Literary monthly, edited by M. Filippov.

**Vyestnik** Finansov, Promyshlennosti i Torgovli (Financial, industrial and trade messenger). v. 18<sup>26-52</sup>, 1901. St. Petersburg, 1901. 2 v. 1<sup>6</sup>. Current. Weekly. Edited by M. Fiodorov.

**Vyostnik** Narodnoi Voli (Messenger of the People's will). 1883-'85. *Geneva*, 1883-85. 5 v. 12°.

Russian socialistic annual, edited by P. Lavrov and L. Tikhomirov.

**Vyestnik** Vospitaniya (Educational Messenger). 6 God 5, nos. 1-8. *Moscow*, 1894. 7 v. 8°. Educational monthly, edited by E. Pokrovski.

**Vyestnik** Yevropy (The European Messenger). v. 75-78, 194-224, 236-242, 249-387 (1866, '70-'74, '77, '79-1901). St. Petersburg, 1866-1901. 181 v. 8°.

Current. A literary monthly, edited by M. M. Stasyulevich

Yevreiskaya Biblioteka (Jewish library). v. 1-8 (1871-80). St. Petersburg, 1871-80. 8 v. 8°. Russian Jewish annual edited by A. E. Landau.

Yevreiski Yezhegodnik (Jewish Year-book). v. I (1901-'02) (5662). St. Petersburg, 1901. I v. 8°.

Russian-Jewish Almanack, edited by J. Lurie.

Zagranichny Vyestnik (Foreign Messenger). St. Petersburg, 1864-65. 8 v. 8°.

Literary monthly, edited by A. Afanasyev-Chuzhbinski.

**Žapiski** Psichologicheskoi Laboratorii (Memoirs of the Psychological laboratory). *Moscow*, 1896. 4 parts. 4 v. 8°.

Edited by A. A. Tokarski.

Zenské Listy (Woman's Journal). v. 7 (1900–1901). Chicago, 1900–1901. 3 v. 4°.

Current. Bohemian-American social weekly, edited by R. Beckova, M. Sirinkova and M. R. Hlinova.

Zhivaya Starina (The Living Antiquities). St. Petersburg. 1895-'96. 2 v. 8°.

Ethnographical quarterly, edited by V. Lamanski.

Zhim (Life). St. Petersburg, 1899-1901. 9 v. 8°. Russian literary monthly edited by M. S. Vermolayey

Russian literary monthly, edited by M. S. Yermolayev. Ceased publication with no. 4 of 1901.

Zhurnal Okhoty (Hunting Journal). 1890. Moscow, 1890. I v. 8°.

Illustrated monthly, edited by A. Korsh.

**Zhurnal** Russkavo Fisico-Chimicheskavo Obshchestva (Journal of the Physical Chemical Society). v. 31-32 (1899-1900). St. Petersburg, 1899-1900. 3 v. 8°.

Current. Chemical monthly, edited by N. Menshutkin.

Znanie (Knowledge). 1875. St. Petersburg, 1875. 2 v. 8°.

Literary monthly, edited by P. Khlyebnikov.

#### PRINCIPAL ACCESSIONS IN MAY.

DICTIONARIES, ENCYCLOPÆDIAS, ETC.

**Brockhaus** (F. A.) Brockhaus' Konversations-Lexikon. Bd. 7. *Leipzig*, 1902. 14. ed. 4°.

Grande (La) encyclopédie. v. 30. Paris, 1902. f°.

### BIBLIOGRAPHY, PALÆOGRAPHY, ETC.

Amira (K. von). Die Dresdener Bilderhandschrift des Sachsenspiegels. Bd. 1. Leipzig, 1902. f°.

Beitraege zur Kenntnis des Schrift-, Buchund Bibliothekswesens. Bd. 7. Leipsig, 1902. 8°. (Sammlung bibliothekswissenschaftlicher Arbeiten, Heft 15.)

Sayce (C. E.) Early English printed books in the University Library, Cambridge. v. 2. Cambridge, 1902. 8°.

#### BIOGRAPHY, GENEALOGY.

Bapst (G.) Le maréchal Canrobert. v. 2. Paris, 1902. 8°.

Barnard (H.) George Charles Holls. New York, 1901. 8°.

Blackmar (F. W.) The Life of Charles Robinson. Topeka, Kan., 1902. 8°.

Comines (P. de). Mémoires. v. 1. Paris, 1901. 8°.

Cornell (Rev. J.) Genealogy of the Cornell family. New York, 1902. 8°.

Cox (W. V.) The reception of Admiral George Dewey at Washington. Washington, 1901. f°. Gift of the Dewey Reception Committee.

Dewamin (É.) Collection encyclopédique des notabilités du XIXe siècle. v. 1. Paris, 1901. 4°.

**Dictionnaire** national des contemporains. *Paris*, 1899-1901. 3 v. 4°.

Gnagey (E.) A complete history of Christian Gnægi. Elkhart, Ind., 1897. 8°.

Goethe (J. W. von). Goethe Briefe, hrsg. von P. Stein. Bd. 2. Berlin, 1902. 8°.

**Heyek** (E.) Der Grosse Kurfürst. *Bielefeld*, 1902. 4°.

(Monographien zur Weltgeschichte, Bd. 16.)

**Huygens** (E.) La philosophie de l'histoire du Capitaine Dreyfus. Anvers, 1900. 12°.

Josselyn (C.) The true Napoleon. New York, 1902. 8°.

**Kingsbury** (J. A.) A pendulous edition of Kingsbury genealogy. *Pittsburgh*, 1901. 4°.

Lippitt (F. J.) Reminiscences. Providence, R. I., 1902. 8°.

**Mooar** (G.) Mooar (Moors) genealogy. *Boston*, 1901. 8°.

**New York** Clearing House Association. Proceedings in memory of Frederick D. Tappen. *New York*, 1902. sq. 8°.

Parigot (H.) Alexandre Dumas père. Paris, 1902. 12°. (Les grands écrivains français.)

Partridge (W. O.) Nathan Hale. New York, 1902. 12°.

Sherman (G. W.), and Sherman (A. M.) Memorials of Lydia Whitney Sherman. Morristown, N. J., 1901. 8°. Gift of J. W. Sherman.

Todd (C. B.) The true Aaron Burr. New York, 1902. 12°.

Viets (F. H.) A genealogy of the Viets family. [Hartford,] 1902. 8°.

#### UNITED STATES.

Adams (C. F.) Lee at Appomattox and other papers. Boston, 1902. 8°.

Boutwell (G. S.) Reminiscences of sixty years in public affairs. v. 1-2. New York, 1902. 8°.

Brief (A) history of the city of Lawrence, Mass. Lawrence, Mass., 1902. 8°.

Christian (W. A.) Lynchburg and its people. Lynchburg, 1900. 12°.

**Cobb** (S. H.) The rise of religious liberty in America: a history. *New York*, 1902. 8°.

Crayon (J. P.) Rockaway records of Morris County, N. J. Rockaway, N. J., 1902. 8°.

Gideon (D. C.) Indian Territory. New York, 1901. 4°.

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Se-ma Ts'ien. Les mémoires historiques de Se-ma Ts'ien traduits, par E. Chavannes. v. 4. Paris, 1901. 8°.

Wigram (H.) Malabar law and custom. Second edition by L. Moore. Madras, 1900. 8°.

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Vivien de Saint-Martin (L.), and others. Nouveau dictionnaire de géographie universelle. v. 7. Paris, 1901. f°.

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(Bibliothèque grecque vulgaire, t. 9.)

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Tacitus. Codex Laurentianus Mediceus 68 II. phototypice editus. Lugduni Batavorum, 1902. 2 v. f°.

(Codices græci et latini, t. 7.)

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(Scientia. Ser. phys.-math. 12.)

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(Twentieth century text-books.)

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#### MEDICINE.

Encyclopædia medica. v. 10. Edinburgh, 1002. 4°.

Handbuch der Krankenversorgung und Krankenpflege. Bd. 2, Abtheil. 1. Berlin, 1902.

**Vouselle** ( ). La syphilis. Paris, 1902. (Encyclopédie scientifique des aide-mémoire.)

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Finance, Alexander E. Orr, Chairman; Frederick Sturges, Alexander Maitland, H. Van Rensselaer Kennedy, Edward King, Treasurer, ex officio.

Law, Stephen H. Olin, Chairman; Charles Howland Russell, John L. Cadwalader.

Library, Stephen H. Olin, Samuel P. Avery, Philip Schuyler, Chairman; Charles Howland Russell, Alexander Maitland.

### BRANCHES-REFERENCE

ASTOR BUILDING, 40 Lafayette Place.

LENOX BUILDING, 890 Fifth Avenue.

### **BRANCHES-CIRCULATION**

Bond Street, 49 Bond Street.
Ottendorfer, 135 Second Avenue.
George Bruce, 226 West 42d Street.
Jackson Square, 251 West 13th Street.
Harlem, 218 East 125th Street.
Muhlenberg, 130 West 23d Street.
Bloomingdale (and Travelling Libraries), 206 West 100th Street.

RIVERSIDE, 116 West 65th Street (near Broadway).

YORKVILLE, 1523 Second Avenue. THIRTY-FOURTH STREET, 215 E. 34th St. CHATHAM SQUARE, 22 East Broadway. St. Agnes, 2279 Broadway.

WASHINGTON HEIGHTS, 922-924 St. Nicholas Avenue, corner of 156th St.

### BULLETIN

OF THE

## NEW YORK PUBLIC LIBRARY

### ASTOR LENOX AND TILDEN FOUNDATIONS

Vol. VI. July, 1902. No. 7.

### REPORT FOR JUNE.

### REFERENCE DEPARTMENT.

During the month of June there were received at the Library, by purchase, 990 volumes and 737 pamphlets; by gift, 750 volumes, 3,087 pamphlets, 70 maps, and 142 prints; and by exchange, 990 volumes and 1,396 pamphlets.

There were catalogued 4,159 volumes and 1,717 pamphlets, for which purpose 8,151 cards were written; also 2,207 slips were written for, and 13,262 cards were received from, the copying machine.

The following table shows the number of readers, and the number of volumes consulted, in both the Astor and Lenox Branches of the Library, also the number of visitors to the Print Department at the Lenox, during the month:

	Lenox.	ASTOR.	
No. of readers and visitors	3,356	7,709	
No. of readers	2,064	7,709	
No. of readers, desk applicants	917	7,194	
No. of volumes consulted by desk applicants.	4,574	25,940	
Daily average	82	308	
Number of visitors to Print Exhibit, etc	1,587		

### CIRCULATION DEPARTMENT.

The most popular books for the month were, in non-fiction: Riis's "Making of an American," Dexter and Garlick's "Psychology," and Maeterlinck's "Life of the Bee;" in adult fiction: Johnston's "Audrey," Major's "Dorothy Vernon," and Doyle's "Hound of the Baskervilles;" in juvenile fiction: Stratemeyer's "Lost on the Orinoco," Lang's "Blue Fairy Book," and Grimm's "Fairy Tales."

### CIRCULATION STATISTICS.

Branches.	CIRCULATION.		NEW	READERS IN READING ROOM.		VOLUMES
	HOME USE.	TOTAL.	TIONS.	MINORS.	TOTAL.	ACCES.
Bond Street	10,318	10,670	113	567	2,605	42
Ottendorfer	16,888	17,545	222	1,704	3,735	105
George Bruce	12,778	15,216	137	1,696	2,438	123
Jackson Square	9,808	10,632	116	304	1,792	96
Harlem	10,614	11,640	171	1,097	1,959	65
Muhlenberg	8,806	10,777	117	1,040	1,971	98
Bloomingdale	14,121	15,180	201	1,204	2,407	145
Riverside	4,208	5,095	86	1,144	1,829	84
Yorkville	13,054	14,708	158	1,219	1,654	144
Thirty-fourth Street ˈ	4,774	6,740	55	1,250	1,966	162
Chatham Square	11,709	12,154	162	347	445	133
St. Agnes	10,739	12,020	1 28	714	2, 142	159
Washington Heights	7,795	8,645	96	2,813	5,636	<sub>11</sub> 48
I ———	17,006	17,006				168
	152,618	168,028	1,762	15,099	30,579	1,572

Among the more important gifts of the month were:-From the Aguilar Free Library, 33 volumes and 111 numbers of periodicals, including files of the Nation, London Truth, Literary Digest, Leslie's Weekly, and Harper's Weekly; from the American Agriculturist, 41 volumes and 115 pamphlets, being Government documents, etc.; from the American Philatelic Association, volumes 1-12 and 14-15 of the American Philatelist; from S. P. Avery, 11 volumes, 11 pamphlets, and 135 prints; from the Commission de la Belgica, 12 of their publications relating to the "Expedition antarctique belge;" from John L. Cadwalader, 25 volumes and 5 pamphlets, relating to sports; from Dr. James R. Chadwick, 8 volumes and 3 pamphlets; from the Secretaria de Hacienda of Cuba, 12 publications of the Government of Cuba relating to statistics, etc.; from the Statistisches Amt der Stadt Dresden, 10 of their publications on statistics; from the City Clerk of Elmira, N. Y., 7 volumes, including the Proceedings of the Common Council of Elmira; from B. D. Grinchenko, 10 volumes and 38 pamphlets in the Russian language on the literature of the Ukraine; from the Istoriko-Filologicheski Institut kn. Bezborodko, 14 of their publications; from Dr. J. W. Draper Maury, a copy of the "Conflict between Religion and Science," by J. W. Draper, in the Japanese language, published at Tokyo in 1894; from Mrs. L. G. Meyer, 125 prints; from Dr. Isaac Myer, 129 volumes and 328 pamphlets, including two sets of the Records of New Amsterdam; from the Philadelphia Bourse, 15 of their reports; from F. W. Roebling, a set of one-quarter scale drawings of the Trenton Library; from Chandler Sexton, 5 volumes and 11 pamphlets, relating to phonography; from Chandler Sexton and T. J. Ellinwood, 6 volumes of the Students' Journal, also on phonography; from the Silk Association of America, 3 volumes and 4 pamphlets of their reports.

The exhibition of Rossetti prints at the Lenox Branch and the display of plates from Hirth's "Formenschatz" at the Astor Branch were continued.

The new exhibitions at the circulation branches were as follows: Blooming-DALE, New York (old and new), Birds, Dickens's stories for children, King Edward VII; St. Agnes, Coronation of Edward VII; Washington Heights, Out-of-door books.

### WILLIAM DAWSON TO JAMES MONROE ON BRITISH WAR PLANS IN 1814.

Printed from the original manuscript in the New York Public Library.

CONFIDENTIAL

NEW YORK, 2d June 1814.

THE HONBLE JAMES MONROE, Secretary of State, SIR,

Having just arrived from Bermuda, where I remained six weeks, I deem it a duty I owe to my native Country, to make known to the Government some of the views of Admiral Cochrane, against this country. They are first, to put Arms into the hands of the Negroes of the Southern States, for which purpose there are 25,000, stand now at Bermuda, and many more expected; the second is an attack on this City, by land and water; bringing his forces down the sound, on which side he has been assured by a Mr. ——, there are no fortifications (knowing that there ought to be, if there is not, I gave assurances there was a very strong fort at Hurl Gate); the third is an attack on Portsmouth, N. H., to destroy the vessels building there.

It is said that the affairs of Holland, together with the expectation that Peace, will grow out of the negotiations at Gottenburgh, has for the while, suspended the armament of Ships, and troops, intended for the objects I have mentioned, yet he has force enough to do much mischief, and I know he has the disposition to do all he can

Having found all Englishmen, to believe that every Federalist, was heart & hand in their cause, and throughout France, every Frenchman believing that the whole Republican party, from the President down, were devoted to the French Government, my politicks being known to be Federal, will account for the free manner in which a certain Gentleman, who is in the entire confidence of the Admiral, communicated to me his principal points of attack.—I hope they will all recoil with disgrace on the assaillants, when attempted

I must observe that it is generally believed Peace will take place, but I do not believe the Admiral disposed to make an Armistice I mention this, because I have heard that he had been applied for that purpose

I make to you Sir, this communication in the fullest confidence of secrecy, for altho' my name should be kept out of sight, a publication of the facts, would as plainly point out the author, as if my name was affixed thereto. That I may know this letter has reached you, I shall be obliged by your acknowledging its reception

> With great respect, I have the honor to be, Sir, Your very Humle Servant

W. DAWSON

### LETTERS OF JAMES MONROE.

PART 5, 1820-1823.

A continuation of the selections printed in the Bulletin for February, 1900; September and November, 1901; and June, 1902.

### TO HENRY DEARBORN?

WASHINGTON, 22. April, 1820.

DEAR SIR

The arrival of the Spanish Minister and the renewal of a negotiation reminds me of a debt I have owed you sometime since, tho, in truth so heavy is the pressure on me, during the Session of Congress, that I am forced to rely on the indulgence of my friends, to pardon my neglect of them. This gentleman has opened a communication with Mr. Adams, but as yet we have no grounds on which to conclude that the result will be satisfactory. Our object is to arrange the business with him if it can be done, without a sacrifice of the national rights, interest and honor. If it was the intention of his government to make the arrangements, and he has the necessary powers, which, in that case he must have, it will be done. But I fear that procrastination and evasion are the objects. Should this appear to be the fact, on thorough investigation, the subject must again be brought before Congress to be disposed of finally by them. Another week will give us such an insight into his powers and views, as will dissipate all doubts as to the results. Should the business be settled in any manner whatever to put the U States in pos session of Florida, especially if it be in accord with the Spanish Minister, it may be presumed that Congress will authorise the appointment of Commissioners, for the settlement of the claims of individuals on the government of Spain. My object will be to take one from the East, one from the middle, and a third from the Southern States. In making a proper selection from the East, I must ask your aid and that of some other friends there. Mr. Sullivan is desirous of obtaining the trust, and on my own part I should be much gratified to see him employed, provided he be supported by the republican party. I became acquainted with him in Europe, as you know, and under circumstances which interested me in his favor. acquaintance has since continued, and been of a very friendly character. He and his Lady, as well as her aunt your Lady, are respected and esteemed by my family and we wish them well. But his employment must depend on the above mentioned circumstance.

The effort of my whole life has been, in support of the republican cause, and it will continue to be the object of my future exertions. But I have known that that cause was to be supported by an adherence to certain great principles, which ought and would rally around its standard, the great body, if not finally the whole of the American people. First we must be true to republican principles, to the sovereignty of the people, in both national and state governments, to the right of elec-

tion and responsibility in the public servants, to the electors, that is to the people. Second, the dominant party which is now happily the republican, must be moderate in the exercise of their power, satisfy all those in the opposite ranks, who were led astray by misrepresentation or prejudice, that they had been ill advised and deceived; and even those who honestly doubted the practicability of the System, that their doubts were unfounded. I have always believed that the number of those in the ranks of federalism, who were attached to monarchy, was small; that they might be counted as individuals only; that the great body of the people of the U. States were decidedly republican. And how can this be doubted? what freeman, in his senses would be willing to become a slave, or to lose his equal right to the highest trust in the community, provided, he had equal merit, and that merit was known to and acknowledged by his fellow citizens? to bring all over to the same standard, the republican party must be moderate; must shew that it is governed by principle; that it looks to the support of a cause, that it has no malignant passions to gratify, no base purposes to promote. If this is done with out risk to the cause, as I have hoped and believe that it might be, passion on the other side would subside, things would be viewed in their true light, and the good sense and integrity of our fellow citizens prevail.

In coming into this station, I have acted to the best of my judgement, on these principles. The republican party have weathered many storms, they have stood firm in the worst of times and triumphed over the greatest difficulties. In the hands of this party, that cause is safe. It is just: it is wise, to cherish it. The person in this station, therefore, must rest on that party and go with it. He cannot go before it, or he exposes himself to dishonorable imputations, and loses the means and opportunity of being useful. All that he can do, is to give an example to his own party, of his moderation and to shew to them the advantage of it, in support of the cause to which they are devoted. While the government in its chief stations, in the heads of departments, in its foreign missions and other high trusts of the kind, is in the hands of republicans, every thing will be safe. To confide to the other party, while it remains such, no trusts at all; to employ its members in no station whatever, however subordinate, would be to persecute and disfranchise it. By pursuing such a course of policy, we form within ourselves two distinct communities, hostile to each other; we foment that hostility and perpetuate it. therefore is that the progress should be gradual but safe; that it should manifest that the door was open to those who wished to enter it on just principles and who sustained such characters as entitled them to confidence.

I have always considered Mr. Sullivan as republican in principle, but having his family to provide for by his profession in Boston, as taking no part after his return from Europe till the late war, when he opposed the Enemy. If this is the case, the employment of him in such a trust might not only be safe, but have a good effect. Still if he is to be brought forward, it must be by the support of the republicans, that if it be in any respect an act of liberality towards the other party, they might have the credit of it. If I brought him forward, without its being known that they supported him, they would not only have no credit from it, for a tolerant and liberal policy, but it would injure them, as well as me, as it might be inferred, that I did it against them. The persons whose support ought be obtained, in aid of your

own, if you think proper to act in it, you better know than myself. General King, the republican members of Congress here, Mr. Eustis, Mr. Crowninshield &c. occur to me, as those who ought to aid to give credit and effect to the measure.

I have written you a long letter on an interesting subject, in which I have endeavoured to explain fully my views and the principles on which I have acted in the hope of giving the best effect and strongest support to our republican system of government. I shall be glad to receive your sentiments on it, knowing well your devotion to the same cause.

M<sup>rs</sup>. Monroe and my daughters are always happy to hear from M<sup>rs</sup>. Dearborn, and to pay all the attention in their power to such of her friends as visit this place. They desire their best regards to her. M<sup>rs</sup>. M, much oppressed with the duties of her station, thro' the long session of Congress, has been seriously indisposed of late, but is now better

With very sincere regard, I am

Dear Sir, truly yours,

JAMES MONROE

### To Spencer Roane.

WASHINGTON JULY 9th 1821

DEAR SIR

I did not receive your kind letter of the 20th of June, until just as I was setting out for this place from Loudon, being called here by public duties, and wishing also, to be present, on the anniversary of our Independence. Indisposed before I set out, the disease has increased by the journey, so that I have been confined, almost exclusively, to my sick room, since I came down. I brought your essays with me, with intention to examine them carefully here, but my state of health has been scarcely equal to the duties of my office—so that, that satisfaction is reserved for another time; for more leisure, at home, whither I propose setting out back tomorrow or next day.

On this subject I will communicate with you, with the freedom which belongs to the friendship, which has so long existed between us, and in the only way in which I can communicate, if I communicate at all, that is with perfect simplicity and candour. You may recollect, that soon after I came into this office, I considered it my duty to take my stand against the power of the General Government, in regard to Internal Improvements; that I declared, in a message to Congress, that I did not think it possessed that power, and that I should be compelled to refuse my assent to any bill, founded on that principle. Expecting to be called on to perform that duty, I turned my attention immediately to the subject, with a view to be prepared to acquit myself in the best manner in my power to the just claims of my country, whenever that call should be made. Proceeding from one step to another, I have written much on the subject, and have endeavoured to the utmost of my ability, to embrace the general scope of our system. It is possible, that I may publish this paper, even while I am in office, believing, that if it does no good, that it cannot possibly do any harm. In this research I have been guided by principle

only, aided by my own experience and observation, and by the lights, which virtuous & enlightened men have shed on it, having before me, in due time, whatever the distinguished citizens, whom you have mentioned, have written on it, in which are included, every thing that has issued from your pen.

I do not know, that on every point, I shall concur with any one, but I shall advance no opinion on any point, which I shall not give the ground of, so that if I am in any instance wrong, it may be easily seen, and shewn.

If I shall be so fortunate, as to enjoy a short leisure, in the country, I shall finish this paper and soon afterwards I shall decide, in what manner to dispose of it. If to publish it, I will immediately forward to you, a copy; if to retain it, while I remain in office, unpublished, I will find an early opportunity of submitting it to your inspection, and free remark.

Standing at this point, & regarding the duty, I may be called on to perform, I have thought for the present, that I ought to say nothing on any particular controversy, which is discussed, before the public. Regarding the office which I hold, I have thought it due to my country, if I appeared at all, to appear, when called on by some obligation, bearing on that office, such as to reject or approve a law, or by a full exposition, founded on general principles, and dictated by a sense of duty, in consequence of the opinion expressed in the message to which I have referred. If I publish this paper, I shall probably do it, before the next meeting of Congress; if I do not publish it before that time, and the subject is not acted on in the next session, it probably will not be, while I remain in office, so that the restraint now imposed on me, will in either event, be of no long continuance.

With great respect & regard &c.
Your friend & servant.

### To John Quincy Adams

DEAR SIR.

OAK HILL, JULY 27th 1821

I have received your letter of the 25th inst. with the papers noticed, in it. Nothing can be more remote from my object, than that you should state, in your reply to the French Minister, any thing, either of fact or sentiment, with which, your judgement did not accord. I therefore, most readily agree to the omission of the passage noted by you, suggested in my letter to you, relating to Cap<sup>n</sup>. Edon, as I also do of any intimation that the suppression of the adventurers, at Amelia Island, had been approved by the Government of France, or that of other powers. According to my recollection, Mr. Do. Neuville had complained of the seizure of some French vessels, by cruisers from the Island, with an implication, that as it was so near our Coast, and a part of its resources were derived from us, (though as he knew, against, and in evasion of, our laws) we ought to be responsible for the conduct of the band in possession of it. I think also, that Mr. Bagot made a similar complaint, & hence I inferred, as I never heard, that either had objected to the measure that they had approved it. I think, that Mr. De. Neuville proposed the establishment of a cordon of vessels, along our coast, for the protection of the commerce of France, with the U.S. founded, principally, on

piracies, from that Island. However, I readily conceive that any intimation of the kind will be cavilled at, that may be done, with any ground to rest upon.

My idea is, that the affair of Edon, will be pushed to the utmost extent, possibly to produce embarrassment; that it will be likened to a trade with Nice, La Passage &c.; that he, having been an officer in the French navy, is incapable of fraud; the flag struck &c., are circumstances which will be turned to account, in France, as they have been by the Minister, here. The protest of the Captain, & his letter to Mr. Roth, which I had read before, and have now read, with great attention, are calculated to produce an effect of that kind.

Your views of the difference between a circuitous trade with France through Nice, La Passage &c and the trade in which Captain Edon has engaged, is comprehensive & clear, but I suggest it for your consideration, whether you may not go into greater detail of discrimination, with advantage. The circuitous trade, through Nice to Marseilles, though the duties on the direct trade may be avoided, is not an act of smuggling. A trade to the Havannah, and thence to the U. States, is not smuggling, nor do I presume, that a fair trade to St. Augustine-landing & entering the goods there, and sending them, thence, to the U. States (as I presume, in another vessel) would be viewed in that light. It is the pretended entry, there, & then entering a river, under our jurisdiction, & proceeding to a spot beyond it, where there was no town, no port, no settlement, & from whence there could be no trade, except with us, nor with us, except by an evasion of our laws, -which made it smuggling, & subjected the party to seizure, under them. From Nice & La Passage, one may trade elsewhere, which it was impossible to do from St. Joseph's. I merely suggest this, for your consideration, & without a distinct recollection of the contents, in this respect, of your paper.

In favor of Captain Edon, I wish you to admit nothing that you think improper. My impression, in regard to the whole affair, is, as already stated, that the occurrence is very interesting, by its effect here, as well as in France, and we ought to be on our guard to take no step, which may furnish any, the slightest pretext to any who may be so disposed, to say in the event of disagreeable consequences, that if we had not done this, these consequences would not have ensued. I do not wish, in pursuing this course, to omit any fact, or any comment, material to our cause.

I am very sincerely &c.

### To LORD HOLLAND.

WASHINGTON, APRIL 24, 1823

I transmitted lately to Mr. Rush a copy of our State papers, to be presented to you, as a[n] acknowledgment on my part, in return for your kind attention to me, that the interesting relation which existed between us, while I was in England, had not been forgotten. You will find among those papers, a copy of the treaty, which we signd, and of all the documents relating to that transaction, including the correspondence between the ministers of the two gov<sup>18</sup>., with that of those of the U. States with their own government, on the subject. You will also find, a copy of a letter from me, to the Secretary of State, written after my return home bearing

date on the 28th. of Feby 1808. in which I communicated more at large my own particular views respecting it. I have thought that these documents would not be uninteresting to you, as they give a faithful sketch of the mov'ment of a free people, in their foreign relations, for more than 30 years, and at a very important epoch. Wherever I had occasion to advert to the late Mr. Fox, your uncle, I have not failed to bear testimony to his high merit, and to his fixd attachment & devotion to the cause of liberty in every country.

Europe is again menaced with a war, founded on the principles of that against the French revolution, that is, with a war which puts at issue the question, whether the people derive their rights from their rulers, or their rulers from them. The speech of the king of France, very distinctly & explicitly maintains the 1st. position, with a right, in the reigning family of one nation, to make war on another, in its support. Before this I presume that the armies of France have enterd Spain, on that principle, unless the attitude which may have been assum'd by G. B., or certain interior indications, may have prevented it. I have no doubt that G. B. may prevent it, if she acts with decision & firmness, nor have I that the attempt, even should it fail, would place her in the sequel, on that high ground in favor of human rights, and their improv'ment throughout civilized Europe, to which she ought to aspire, but likewise be the wisest course she could pursue, to preserve the British constitution, in the great outline in its present form. Our distance makes us less an object for legitimate pursuit, but we do not mean to rely on it alone. The U. States will, I think, assume such an attitude for defensive or offensive operations should either be necessary, as will afford them ample security, against any unlawful attempt on them.

It always affords to M<sup>rs</sup>. Monroe & myself great pleasure to hear from you & Lady Holland, and of your good health, & of whatever else is interesting to you both and to your family. Be so kind as to present our very respectful regards to her. Assure M<sup>r</sup>. Allen also of my very friendly recollections of him. I have troubled you with many letters in favor of my young acquaintance, from different States, for which you have not indemnified yourself in a single instance. The fact is, it has become known that a friendly feeling exists between us, & hence it is difficult for me to resist their applications.

To Fulwar Skipwith. (Confidential)

WASHINGTON, 31 JULY, 1823.

DEAR SIR

Your letter of May 14, last, affected me very sensibly, as it called to my recollection many interesting occurrences of my past life, while you were present, & to which you were a party, and communicated many details important to yourself, at this time. That I have not written to you often, has not proceeded from a want of regard for you. My duties, since I came here, in the several offices which I have held, including the present one, have been very burdensome. I have seldom written to my friends; indeed that kind of correspondence, which, of all, is the most gratifying, I have been forced to discontinue. My public duties have absorbed so com-

pletely my whole time and labours, that I have scarcely had a moment to attend to my private concerns, on which the well being of my family, so essentially depends, especially should I be taken from them. They have been neglected & in consequence I have suffered a remark which may carry back to the time that we sail'd for France together in 1794.

On my return in 1797, I sold my military claim of 5,000 acres, part in Ohio, opposite Limestone, the other half in Kentucky, & also 1000 acres of land in Loudon held jointly with my relative Judge Jones, to defray my expenses, the time I remained in France after removed from office and back to the United States when I obtained a passage from Bordeaux. On my second mission, my agent, Col. James Lewis, sold my tract of 950 acres of land, on which the university now stands, while I was at Madrid, for \$5. the acre, and which now sells, from 50 to 100. I believe it was the most that he could then get, tho had I not gone, I might, I think, have avoided the sale. When I left the U. States in 1794, I held all the property with that above mentioned, which I now hold, with little exception added since, and did not then owe \$5,000. Had I remained at the bar, & made the exertions which I have made in another, but sacred cause, what would have been the effect? You can well judge. My expenses and those of my family, have always been very moderate, as much so as possible, regarding the stations I held. In every place that I have held, preceding the present, my compensation has been inadequate, and in this the saving that I have been able to make, has done little more than meet the interest arising on the debts thus contracted and for the support of two estates, one in Albemarle & the other in Loudon, which instead of furnishing a handsome profit, have proved a heavy charge to me. The result will be, that the estate in Albemarle, will certainly be swept from me, with the slaves &c, attached to it, and the most that I can hope for, will be to retain that in Loudon, as a retreat & home for my family in our declining years. For my youngest daughter who, was an infant at your house at Marley, I have done nothing. She · has married her cousin Sam1. L. Gouverneur & settled at New York. He is an high minded & estimable young man, well educated at the bar, & likely to rise in his profession. The other, Mrs. Hay, I gave a small tract of land on Chichihominy, 8 miles from Richmond, which I bought, the greater part for a trifle, when in the government at Richmond, before my last mission, with intention then to resume the practice of the law. It would not sell for much now.

It was with a hope of keeping my slaves together, who having been long in our possession, have grown up in families, many of them, and of making a profit from their labour, that I entertained thoughts of sending them to the waters of the Mississippi, in Louisiana. But your letter discourages me from that project, and it appears to be so well supported by facts & judicious reasoning that I rather think that I should lose than gain by it. Such is the pressure on me, by those to whom I am indebted, being Banks, in great distress themselves, that I have advertized my lands in Albemarle for sale, by private contract, by applying directly to myself, on the presumption that before I leave this office, I may dispose of them to advantage. Of the slaves I have said nothing, intending in case I sell the lands advantageously, to dispose of them in the country, to the persons to whom they are willing to belong. I am now treating for the sale of it with Mr. Goodwyn, near Petersburgh, a son of the late member of Congress from that district. The whole

effort of my life, devoted to that object, has been bestowed on that estate, which is one of the best in Virginia, of good quality for tobacco, wheat, corn, &c, in an excellent neighborhood, in a healthy country, near the university, within 3½ miles of navigable water &c. We have made many improvements on it, and I am very much attached to it, as I am to the neighborhood & country. But the estate in Loudon, altho' I have built a good house on it, for our summer accomodation while here, will not sell for as much money as will pay my debts, if indeed that in Albemarle will, altho' worth fully one third more. I am very sensible of your kind offer of a tract purchased by you, near St. Helena Court House of 1.000 acres, and should most willingly accept it, on the terms mentioned, but for the reasons stated, and particularly from a fear, that by the decline of the price of produce in that country & of slaves, I should make nothing by it; as also from the consideration that I have offered my lands for sale, and had better keep them there, in the expectation of disposing of them, to their own satisfaction, at the same time.

When I go to Albemarle, I shall be happy to see your son with General Cocke, should he call on me, & if in Charlottesville, I will send for him. How would you like him to be placed, at West Point. The Academy enjoys the highest reputation & merits it. The greater part of the expense is borne by the government and he is taught almost every branch of science. If so disposed, write a letter to the Secretary of War, stating his age, acquirements &c, and get Judge Johnson to do the same, or Governor Robertson to do it. Louisiana has not I think her proportion, which will strengthen the claim. He cannot be admitted untill June next & he must be in his minority, & the younger the better. Pursuing this course & intimating it to me, I will attend to it.

If you wish the P. Office at New Orleans, intimate it to the Post Master General, referring him to me for your character. By the law, he makes the appointments, but in important cases he consults me. Get the Judge to address a like letter to the P. M. Gen! with such other support as you think fit from the city. I should prefer however that it corresponded with your views, to settle in Virginia, and after I retire, that you would pass much of your time with me & my family. The details which you give me of a private nature, are very interesting to me. We are all doomed to severe trials in this life and even those who are happiest do not. escape much affliction. My family, who have been always with me in every situation in which I have been placed, abroad & at home, have been & are my greatest consolation. They will, all of them submit most cheerfully to any lot, to which my circumstances may subject me, in any the most unfavorable result. My afflictions here proceeded from the hard rubs which I have received in public life, at different periods & in some instances in this station, and from a fear that I may not be able, in retiring from it, to make my wife as comfortable & make such provision for my children, as I and they had reason to expect. I shall however do every thing in my power for them.

In looking back to my public career, many incidents occur, with which you were well acquainted, tho' it is possible in your pursuits since, through such a lapse of time, they or some of them, may have escaped your recollection. You will I presume remember the difficulty I experienced, on my arrival in Paris, to obtain my recognition of the Com: of public safety, & the cause, owing to a jealousy of Mr. Jays mission to England and of mine to Paris. Of my motive, thence arising for

addressing the convention itself & seizing the opportunity of communicating the resolutions of both houses of Congress & of the Executive, expressive of the interest which they took in the French revolution, to put down all suspicion in the french government on that point & bring the two governments closely together. You were then with me & will I think, recollect, that in leaving the house & walking along the Carousal, on our way home, I observed to you, that considerating the state of parties at home, I should not be surprised, if the communication of those documents, notwithstanding the urgency of the motive, should produce my recall. You were acquainted with my injunction on Mr. Payne after obtaining his release from prison, when he had written an unfriendly letter to Gen! Washington & committed it to the Consul de la Tombi, to recall it from Rochefort, where the consul had arrived, on his way to the United States, & his compliance therewith; and you cannot well have forgotten when Mr. Paine, after leaving my house & g[o]ing to Turin[?] had engaged in writing another letter to the General, my exertion first through you, then through Mr. Vauhan & then though Doctor Edwards, to divert him from it, by assuring him that I should consider it the best & a very ample return for the services which I had rendered & kindness towards him, if he would desist from and his refusal to accomodate me.

The state of the negotiation on my arrival in Paris in 1803, or rather of the correspondence, for it seemed rather to merit that name, between Mr. Livingston & Mr. Talleyrand, was known to you. We dined together, with him, with my family, including Col. Mercer, the day after, when Mr. Marbois, entered, while we were at the table, and you will recollect, after his having had an interview with Mr. Marbois, that evening, in which Mr. Marbois informed him, that the first consul had decided, on the sunday preceding, the day after he heard of my arrival at Havre, that he would cede the whole Province, in the negotiation about to be opened, & being a treasury affair, would commit the negotiation to him, you will, I say, recollect how much Mr. Livingston was affected by the communication, and how deeply he regretted my arrival, as stated by him, according to recollection, in his conversation with you, immediately afterwards. Whether any negotiation would have taken place, or any cession have been made, had not some special minister arrived to press it, must be matter of conjecture. No person had a better opportunity of forming a correct opinion on this point than you, in consideration of your long residence in France, and thorough knowledge of our relations with that country, through the changes that had taken place in both. No person also can judge better than you, whether my appointment had any effect in consideration of my well known attachment to the French revolution & recall & censure, to which I was subjected, in producing the result.

Mr. Nancrede a French officer, in our revolution, has recently communicated to me an occurrence, which took place between him & Gen¹. Armstrong, relative to the negotiation with which I was entrusted, with the Spanish government, for Florida, Texas &c, with which he says he informed you at the time. He thinks that I was then at Paris, in which case, it must have been as I returned from Madrid, in the expectation of resuming the negotiation with the French government. He had been known to Gen¹. Armstrong in our revolutionary war, on which account he says the General intimated to him, a desire to purchase of the Prince of peace, the province of Texas, and to employ him Mr. Nancrede as the agent stating that the

purchase should be made in favor of Mr. Parker, Mr. Cazinove some other third person whom he did not recollect & he Mr. Nancrede, as the fourth. The General he says spoke highly of the value of the territory, the security of the Prince's title, and of the immense profit to be made by it. He assured him, that he would insure him admission to the prince, which he alone could do, & that if he would immediately embark in the undertaking, he had no doubt of success. He said he had two objects in it, the one; profit; the other to defeat a man whom he hated, & who was in town. He asked him who that man was. He replied that it was me. Mr. Nancrede says that having formed a favorable opinion of my integrity & zeal in the service of my country, he was shocked at the proposal, & suppressing his feelings, withdrew and went immediately in pursuit of you, first, to your house, then to Morley, & thence back to your house, with intention to communicate it to you, but not finding you at either place, he left word with your lady expressing a desire that you would dine with him next day. You called on him that night, when he informed you of the occurrence & of which you expressed your utmost abhorrence, advising him to have nothing to do with it, which advice he followed, & he has never spoken with General Armstrong since. He says that you and Mr. Le Grange dined with him next day, between whom, the affair was freely discussed and spoken of in the sense above expressed. Mr. Nancrede is of opinion that the prince of peace was there at Marseilles with the King, but if so, the conversation between him & Gen1. Armstrong must have occurred after my return to England from Spain through Paris. I left them in Madrid when I left Spain, on the termination of the negotiation. You will probably recollect all the circumstances of the case much better than he, being acquainted as you were, with the general movement and position of all the parties, in every stage of that negotiation.

General Armstrong has lately made a claim on the government, for his services, in settling the claims of all our citizens on the French government, provided for by the treaty of Louisiana, which were not settled by the Commissa, at the end of the year, within which it was stipulated, they should be adjusted. He says that the French government was averse to the delay & the commissioners not desirous of having the time of their service prolonged, and hence the whole business devolved on him, with the duties of the three commissioners, their Clerk, the agent &c. That when the commission terminated, only 8 claims had been settled & that he settled all the rest, which were many hundred. For this he claims as a moderate reward \$4500. He sets up also another claim, for services as a commissioner, joint with Mr. Bowdoin, to treat at Paris, under the auspices of the Emperor, with a minister of Spain for Florida &c, and for which he asks other \$4500. These claims according to the rules of the accounting departments, were submitted to me. decided that neither of them fell within my cognizance & that it belonged exclusively to Congress to determine them. Whether he will carry them there, I know not. I examined while I had the subject under consideration, the report of the board of commissioners, made at the expiration of their services, which gives a very different view of the whole transaction, from that presented by Gen1. Armstrong's letters. It plainly imputes improper views and conduct, in Mr. Livingston, in regard to all the claims in which any agency of his was unauthorized by the treaty & implies the same as to his successors, in terminating the commission, &

getting the business out of their hands into his own. With this affair, you are well acquainted, in all its details. How far it may be convenient for, or agreeable to you, should he bring this claim before Congress, to make any representation respecting it, through any of your friends, or in any other mode you will decide. I have apprised you of it, that you may reflect on the subject.

The state in which I found the important concerns intrusted to me, with Spain, on my return from England to Paris in 1804, on my route to Madrid, you will I presume recollect. In passing through Paris, the object was, to obtain the aid, which had been pledged by the French government in the negotiation for Louisiana & promised to me at St. Cloud, by the first Consul, just before my departure for England in 1803, in the negotiation, which I was about to enter on, at Madrid with Mr. Pinkney. Mr. Livingston had nothing to do in the affair, but assist, as mere matter of form in procuring the aid demanded. He knew, that I could give but \$2,000,000 only, & that they must be paid to our citizens for Spanish spoilations, for East Florida. He had nevertheless interfered in the whole business, and as I had reason to believe, encourage the hope in the French government of getting \$12,000,000 or even 14, which tho' to be nominally secured to Spain, would come to France. This interference could not fail to produce a very bad effect. To obviate it, I addressed a letter to Talleyrand, reminding him of the pledge of his government, and intimating that war would probably be the consequence of the failure of the negotiation at Madrid, which letter he would not answer, while I remained at Paris, and answered, in an equivocal manner, after my departure from it. It was impossible to prevail on either government to accept \$2,000,000, not one cent of which they would get, instead of 12 or 14, unless I could make them believe, that the latter prospect was desperate & that in pursuing it, war would ensue & the territory be wrested from them; my whole effort, therefore, was directed to that object, in which I could not hope for success, unless our minister at Paris, cooperated, by his endeavours, to make the same impression. On the departure of Mr. Livingston, the business fell into the hands of General Armstrong, and if he was capable, of the design imputed to him, by Mr. Nancrede, the cause to which the failure of the negotiation, was fairly to be imputed, is explained at once. If instead of threatening war in his conferrences with Talleyrand, he had intimated, that in case the negotiation at Madrid should fail, the affair might still be adjusted at Paris, between them, the death blow to the business at Madrid, would be given at once.

In looking towards the termination of my public service, which approaches, my mind, naturally reviews these important occurrences, with deep interest. Justice to our country, seems to require, and especially after I am gone, that they should appear in their true light; and having little to give to my children in point of property, I am the more desirous of leaving in their possession, the evidences of my zeal in the service of my country, and of upright conduct. You are acquainted with most of these transactions, and can state, at your leisure what you recollect of them. I have long intended to write you respecting them, but never had leisure for it before. From our friend, Col. Mercer, I obtained a statement, of what occurred, within his term. He is no more. A more honest man never lived.

With regard, your friend,

JAMES MONROE.

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### LIST OF JEWISH PERIODICALS IN THE NEW YORK PUBLIC LIBRARY.

This list does not include calendars, collections, society publications not issued periodically, anti-Semitic papers, or periodicals devoted to mission work among the Jews. The arrangement is as follows: (I) Bibliography; (II) General indexes; (III) Miscellany; (IV) Hebrew periodicals, arranged according to the Hebrew alphabet; (V) Judeo-German periodicals; (VI) other Jewish periodicals, divided according to country of publication. All items here noted are located in the Astor branch.

### BIBLIOGRAPHY.

American Israelite. A bibliography of the Jewish periodical press. (June 8-29, 1893.)

**Böckler** (O. H.) Presse und Judenthum. (In Giese (W.) Die Judenfrage. *Berlin*, 1899. 8°. pp. 52-66.)
Anti-Semitic.

**British** Museum. Catalogue of Hebrew books, by S. van Straalen. *London*, 1894. 4°. pp. 188–192, 294–295.

Franco (M.) Le journalisme parmi les Israélites de Turquie. (In his Essai sur l'histoire des Israélites de l'empire ottoman. *Paris*, 1897. 8°. pp. 277-283.)

**Freidus** (A. S.) List of Jewish periodicals published in the U. S. (In: American Jewish Year Book. v. 1, pp. 271-282. *Philadelphia*, 1899. 12°.)

Freimann (A.) Almanac. (In Jewish Encyclopedia. v. 1, pp. 426-428. New York, 1901. 4°.)

Geiger (A.) Jüdische Zeitschriften. (In his Wissenschaftliche Zeitschrift. v. 4, pp. 286-292, 459-471; v. 5, pp. 372-390, 446-477. Stuttgart, 1839; Grünberg, 1844. 8°.)

Harkavy (A. E.) Yevreiskaya periodicheskaya pechat [Jewish periodical press]. (In: Yevreiskaya Biblioteka. v. 7-8. St. Petersburg, 1879-80. 8°.) Compare his letter in Hamagid, v. 10, p. 251.

Jacobs (J.), and Wolf (L.) Bibliotheca Anglo-Judaica. London, 1888. 8°.

Periodicals (pp. 148-152); Almanacs (pp. 152-154).

**Kayserling** (M.) Periodische Litteratur. (In his Jüdische Litteratur von M. Mendelssohn bis auf die Gegenwart. *Trier*, 1896. 8°. pp. 860–880.)

**Krauskopf** (J.) Half a century of Judaism in the U. S. (In American Jews' Annual, 1880, p. 90.)

A short list of periodicals.

Lippe (C. D.) Zeitschriften. (In his Bibliographisches Lexicon der gesammten jüdischen Literatur der Gegenwart. v. 1, pp. 662-671; new series, v. 1, pp. 457-475. Wien, 1881-99. 8°.)

[List of forty-three Judeo-German and Hebrew periodicals no longer extant; with fac-similes.] (Jewish Gazette, April 20, 1894.)

Markens (I.) Progress made by the Hebrews in journalism. (In his Hebrews in America. New York, 1888. pp. 265-274.)

[Rayevsky (C.)] Die Geschichte vun die idische Zeitungen und Journalen in die Vereinigte Staaten. Chronologische Tabelle. (In Vorwärts Jahr-Buch. New York, 1902. pp. 56-57. 8°.)

Sablozki (M.) Degel Machaneh Yehudah [List of Hebrew periodicals]. (In Ozar ha-Sifrut. v. 5, pp. 270-283. Krakau, 1896. 8°.)

Compare Zeitsch. f. hebr. Bibliog. v. 1 (1896), pp. 35-36.

Singer (I.) Presse und Judenthum. 2. Aufl. Wien, 1882. 8°.

**Sistematicheski** ukazatel literatury o yevreyakh na russkom yazykye [Systematic index of Russian literature about the Jews], 1708–1889. St. Petersburg, 1893. 8°.

Russian-Jewish press (4388-4484); Hebrew press (nos. 4578-98); and comp. subject index. p. 56x, s. v. Pechat.

**Steinschneider** (M.) Hebräische Zeitschriften. (In Zeitsch. f. d. relig. Interessen d. Judenthums. v. 3, pp. 28-33. *Leipzig*, 1846. 8°.)

[Sxold (H.)] List of Jewish periodicals now appearing in the U. S. (In Amer. Jew. Year book. v. 2, pp. 636-637; v. 3, pp. 178-180. *Philadelphia*, 1900-01. 12°.)

Wiener (L.) [Judeo-German] Periodicals and almanacs. (In his History of Yiddish literature. New York, 1899. 8°. pp. 357-360.)

Comp. Index, p. 397, s. v. Periodicals.

Weissberg (M.) Die neuhebräische Aufklärungs-Literatur in Galizien. Wien, 1898. 8°. pp. 49-77.

Wise (I. M.) Introduction to a bibliography of the Jewish periodical press. (In Judaism at the World's parliament of religions. pp. 402-409. Cincinnati, 1894. 8°.)

### GENERAL INDEXES.

Indexes to individual periodicals are entered under the periodical entry below.

Schwab (M.) Répertoire des articles relatifs à l'histoire et à la littérature juives parus dans les périodiques de 1783 à 1898. *Paris*, 1899–1900. 2 v. 4°.

**Sistematicheski** ukazatel literaturi o yevreyakh na russkom yazykye, 1708–1889. *St. Petersburg*, 1893. 8°.

Stern (M.) Quellenkunde zur Geschichte der deutschen Juden. Erster Band: Die Zeitschriftenliteratur. Kiel, 1892. 8°.

Revised and enlarged, repr. from Zeitsch. f. d. Gesch. d. Juden in Deutschland, v. 2, 1888.

### MISCELLANY.

[Frischmann (D.)] Bacol-micol-col. (In Ha-Asif. v. 2, pp. 764-770. Warsaw, 1885. 8°.)

A humorous sketch of the various and contradictory demands made upon the editor of a Hebrew periodical by his reading public.

Grünbaum (M.) Das polnisch-jüdisch-deutsche Idiom in America. (In his Die judisch-deutsche Litteratur in Deutschland, Polen und Amerika. Trier, 1894. 8°. pp. 80-91.)

"Auszüge aus einer Zeitschrift sowie aus einer Zeitung als Beispiele." Contains copious specimens of American-Judeo-German newspaper advertisements.

\_\_\_ [Judisch-spanische] Zeitungen und Zeit-schriften. (In his Judisch-spanische Chrestomathie. Frankfurt a. M., 1896. 8°. pp. 148-153, 158.)

Kohut (A.) Journalisten, Publizisten und Redacteure. (In his: Berühmte israelitische Männer und Frauen. v.2, pp. 132-171. Leipzig [1901]. 8°.)

Kowner (A. U.) Cheker Dabar. Warsaw, 1865. 16°. pp. 50-56.

Criticism of the Hebrew weekly press.

Ludvipol (A.) La littérature néo-hebraïque. (In Revue des Revues, v. 31, pp. 163-176. Paris, 1899. 8°.)

Schach (F.) Eine auferstandene Sprache. Litterarische Skizze. Berlin [180-]. 8°.

### PERIODICALS.

#### Hebrew.

(Alphabetized according to the Hebrew alphabet.)

Ozar Chochmah. v. 1-3. Lemberg, 1859-65. 3 v. in 1. 8°.

Edited by J. Kohn-Zedek. No more published.

Ozar Nechmad. v. 1-4. Wien, 1856-63. 4 v. in 2. 12°.

Annual. Edited by I. Blumenfeld. German title: Briefe und Abhandlungen jüdische Literatur betreffend von... jüdischen Gelehrten.

No more published.
Reviewed by A. Geiger in Zeitsch, d. Deutschen Morgenl.
Gesellschaft, v. 11, pp. 335, 574-575; v. 14, pp. 741-747; and
in his Jüdische Zeitschrift, v. 3 (1864-65), pp. 155-157.
v. 3 reviewed by I. Stern in Ben-Chanaja. v. 3 (1860) pp. 489-492.

Ozar ha-Sifrut. v. 1-5. Jaroslau, 1887; Krakau, 1888-96. 5 v. 8°.

Annual. Edited by S. E. Gräber. German title: Magazin für hebräische Litteratur und Wissenschaft, Poesie und Belletristik.

v. 3 reviewed by I. Suwalski in his Keneset ha-Gedolah, V. 4, pt. 2, pp. 10-22.

**Achiasaf.** v. 1-9 (5654-62). Warsaw, 1893-1901. 9 v. 8°.

v. 5 edited by M. L. Lilienblum. v. 9 reviewed by J. Klausner in Ha-Shiloah, v. 9, pp. 243-256.

Ha-Emet. Prospectus and no. 1-3. [Wien,] 1877. 8°.

Socialistic monthly. Edited by Arthur Freeman (Aaron Liebermann). German title: Die Wahrheit. no. 1, 3. ed. Reviewed by P. Smolensky in Ha-Shachar, v. 8, pp. 470-472.

Ha-Asif. v. 2. Leipsig, 1849. 12°.

Edited by H. Filipowski.

Ha-Asif. v. 1-6 (6545-54). Warsaw, 1884-93. 6 v. 8°.

Annual. Edited by N. Sokolow. v. r-3 reviewed by J. L. Lipkind in Keneset ha-Gedolah, v. r. (1886), pp. 169-171; v. 3-4, by N. Brüll in his Jahrbücher, v. 9 (1889), pp. 171-174; v. 5, by the same in his Central-Anzeiger f. jüd. Lit., v. r, pp. 26-

Ha-Eshcol. v. 1-3. Krakau, 1898-1900. 3 v. 8°. Annual Edited by J. S. Fuchs and A. Günzig; v. 3 edited

by A. Günzig alone. Bet ha-Midrash. v. 1, Heft 1-3; v. 2, Heft 1. Wien, 1865. 2 v. in 1. 8°.

Monthly. Edited by I. H. Weiss. No more published.

Bet Talmud. v. 1-5. Wien, 1881-86. 5 v.

Monthly. Edited by I. H. Weiss and M. Friedmann. No more published. v. 3 reviewed by E. Atlas in Ha-Asif, v. 2, PP. 371-387.

Biccure ha-Ittim. v. 1-12 (6581-92). Wien, 1820-31. 12 v. 12°.

Annual. Hebrew and German. Begun by S. J. Cohen and continued by M. I. Landau, I. S. Reggio, and J. Jeitteles.

- DELITZSCH (F.) Zur Geschichte der jüdischen Poesie. Leipzig, 1836. 8°. pp. 108-110.

- Weissberg (M.) Die neuhebräische Aufklärungs-Literatur. Wien, 1898. 8°. pp. 50-62.

- Verzeichniss aller in den bereits erschienenen acht Jahrgängen enthaltenen Artikel mit den Namen ihrer Verfasser . . . (Appendix to v. 9.)

Biccure ha-Ittim. Heft 1. Wien, 1844. 8°. Edited by M. E. Stern. No more published. German title; Eine Sammlung ebräischer Aufsätze, exegesen, philologischen und poetischen Inhalts . . .

Biccure ha-Ittim ha-chadashim. v. I.

Wien, 1845. IV. 12°.

Hebrew and German. Hebrew part edited by I. S. Reggio, and German part by I. Bush. No more published.

Ha-Boker Or. v. 1-7. Lemberg, 1876-78; Warsaw, 1879-86. 7 v. 8°.

Monthly. Edited by A. B. Gottlober. No more published. German title: Der Tag bricht an. Hebräisches organ für Wissenschaft, Poesie und Litteratur. No more published. v. 7 (1886) reviewed by S. P. Rabbinowitz in his Keneset Yisrael. v. 1 (1886), col. 166-170.

Ha-Dor. v. 1. Krakau, 1900-01. 4°. Weekly. Edited by D. Frischmann. No more published.

Chabaselet. v. 8-11, 13-25, 27-29. Jerusalem, 1877-99. v. 20. F°. Weekly. Edited by I. D. Frumkin.

Ha-Choker. v. 1, nos. 1-6. Cracovie, 1891-2. I v. 8°. Monthly. Edited by I. S. Fuchs.

He-Chaluz. v. I-13. Lemberg, 1852-56; Breslau, 1859-61; Frankfurt a. M., 1865-69; Prag, 1873-1880; Wien, 1887-89. 13 v. 8°.

Edited by O. H. Schorr. German title: Wissenschaftliche Abhandlungen über jüdische Geschichte, Literatur und Alterthumskunde. No more published. v. 2-7 reviewed by A. Geiger in his Jüdische Zeitschrift, v. 4 (1866), pp. 67-80; and v. 8, ibid., v. 8 (1870). pp. 168-171; v. 11 by M. Steinschneider in his Hebraeische Bibliographie, v. 20 (1880). pp. 105-107; v. 12 reviewed by A. Epstein in Monatsschrift, hrsg. v. A. S. Weissmann, v. 1, pp. 53-69; v. 13 reviewed by N. Brüll in his Central-Anzeiger f. jüd. Lit., v. 1, pp. 6-8; and by A. S. R. in Ozar ha-Sifrut, v. 3 (1890), pt. 5, pp. 63-68.

ERTER (I.) Toledot he-Chaluz. (In his Ha-Zofeh le-Bet Yisrael. Chap. 2.)

Unfinished by the author; supplemented by J. H. Schorr. Repr. from He-Chaluz, v. 1.

[HARMOLIN (A. M.)] Ha-Cholez . . . lechalez et abne ha-nega . . . dibre he-Chaluz. Lemberg, 1861.

KOHN-BISTRITZ (M.) Biur tit ha-yavan shebo hitiach J. H. S. . . . pene 450 maamre Ch. z. l. u-biuran be-ruach ha-yahadut. Pressburg, 1888. 8°.

German title: O. H. Schor's talmudische Exegesen...in dessen..." Hachaluz" auf ihren wissenschaftlichen Gehalt kritisch untersucht . . . Reviewed by N. Brüll in his Central-Anseiger f. jüd. Lit.,

v. 1, pp. 12-14.

WEISSBERG (M.) Der Hacholez. (In his: Die neuhebräische Aufklärung-Literatur. Wien, 1898. 8°. pp. 66–76.)

- v. 1. 2. Aufl. Lemberg, 1866. 8°.

Ha-Yom. v. 1-2. St. Petersburg, 1886-87.

First Hebrew daily published. Edited by J. L. Kantor. No more published.

Yerushalayim. Pt. 1-3. Zolkiew, 1844; Lemberg, 1845; Prag, 1845. 3 pt. in 1 v. 12°.

Edited by A. M. Mohr and J. Bodek. No more published-German title: Jeruschalajim, enthält litterärische Aufsätze.

Yerushalayim. v. 1-6 (1881-1902). Hebrew and German. Wien, 1882; Jerusalem, 1887-1902.

Edited by A. M. Lunez. German title: Jerusalem. Jahrbuch zur Beförderung einer wissenschaftlich genauen Kenntniss des jetzigen und des alten Palästinas. v. 1 and 2 reviewed by N. Brüll in his Jahrbücher, v. 7 (1885), pp. 174-175; v. 3 by the same in his Central-Anzeiger f. u. jud. Lit. (1890), pp. 51-52.

Yerushalayim. v. 1. Krakau, 1900-1901. Bi-monthly. Edited by J. Kreppel. German title: Jerusa-lem, Literarische Revue.

Cochbe Yizchak. Heft 1-37. Wien, 1845-73.

37 Hefte in 4 v. 12°.

Heft 1-36, edited by M. E. Stern; Heft 37, by M. Weissmann-Chajes. No more published. German title: Kochbe Jizchak. Eine Sammlung ebräischer Aufsätze, literarhistorischen, philologischen, exegetischen und poetischen Inhalts ... Heft 27-28 reviewed by A. Geiger in his Jüdische Zeitschrift, v. x (1863), pp. 217-223; v. 2 (1863), pp. 71-72.

- Heft I. 2. Aufl. Wien, 1847. 12°.

Ha-Cochabim. pt. I. Wilna, 1865. I v. 8°. Was intended to be a quarterly. Edited by I. M. Wohlmann. No more published.

Keneset ha-Gedolah. v. 1-4. Warsaw,

1890-91. 4 v. 8°. Quarterly. Edited by I. Suwalski. No more published. v. 2-4 contain notes and corrections by various writers to articles in the first 3 v.; v. 1-2 reviewed in Gan Perachim, v. 2 (1890), pp. 25-38.

Keneset Yisrael. v. 1-3. Warsaw, 1886-

88. 3 v. 4°. Annual. Edited by S. P. Rabbinowitz. No more published. v. r reviewed by J. L. Lipkind in Keneset ha-Gedolah, v. r (1890), pp. 162-168.

Ha-Kerem. v. I. Warsaw, 1887. I v. 8°. Annual. Edited by E. Atlas. No more published.

**Kerem Chemed.** v. 1-9. Wien, 1833-36; Prag, 1838-43; Berlin, 1854-56. 9 v. 12°.

v. 1-7, edited by S. J. Goldenberg; v. 8-9, by S. Sachs. German title: Briefe und Abhandlungen die jüdische Literatur und Wissenschaft betreffend. No more published. See Weissberg (M.) Die neuhebräische Aufklärungs-Literatur. Wien, 1898. 8°. pp. 62-66. v. 6 reviewed by R. Kirchheim in Isr. Annalen, v. 3 (1841), pp. 294-296, 304, 311-312.

**Ha-Carmel.** v. I-8 (1860-70); new series, v. I-4 (1871-81). *Wilna*, 1860-81. 4° and 8°.

Edited by S. J. Fünn. First series, weekly. 4°; v 1-3 had Russian supplements. New series, monthly, 8°. See Kowner (A. U.) Cheker Dabar, Wilna. 1865, 16°, pp. 50-56; and his Zeror Perachim, Odessa, 1868, 8°, pp. 120-140.

Ha-Leumi. v. 1. no. 1-23. New York, 1888-

 I v. F°.
 Edited by E Deinard. English title: The Nationalist. No more published.

Ha-Lebanon. v. 1-5, 8-12, 14-20. Jerusa-lem, 1863; Paris, 1865-68; Mains, 1871-75, 1877-82; London, 1886. 17 v. F° and 8°. Weekly. Edited by J. Bril.

Luach Erez Yisrael. v. 1-7 (5656-62). Jeru-salem, 1895-1901. 7 v. 16°. Edited by A. M. Lunez. German title: Litterarischer Pälastina-Almanach.

Ha-Meassef. v. 1-10. Königsberg, 1783-86; Berlin, 1788-90; Breslau, 1797; Berlin, 1808-09; Altona and Dessau, 1809-12. 10 v. 12

Hebrew with German supplements. v. 1-6, edited by I. Euchel; v. 7, by J. Löwe and A. Wolfssohn; v. 8-10, a new series, by S. J. Cohen and M. Philippson. German title: Der Sammler, Hebräische Monatschrift. Hrag. von einer Gesellschaft hebräischer Litteraturfreunde.
For contents see Steinschneider (M.) Catalogus librorum Hebraeorum in Bibliotheca Bodleiana. Berlin, 1852-60. 4°.

col. 575-579.

- DAVIDSON (I.)

The genesis of Hebrew periodical literature. Baltimore,

- Delitzsch (F.)

Zur Geschichte der judischen Poesie. Leipzig, 1836. pp. 100, 106-107. 8°,

- EHRENPREIS (M.)

[Ha-Meassef.] (In Ha-Shiloah. v. 1 (1897). pp. 489-492.) – Grabtz (H.)

Die Meassim. (In his Geschichte der Juden. v. zz, chap. 4.) - Jost (I. **М.**)

Geschichte der Israeliten. v. 9, chap. 7. Berlin, 1828. 80. - Kantor (J. L.)

Dor ha-Meassefim. (In: Ha-Massef (supplement to Ha-Assif, v. 3.) pp. 1-34. Warsaw, 1886. 8°.

- RHINE (A.) The first Hebrew periodical. (In H. U. C. Journal. v. 6, pp. 74-77. Cincinnati, 1902. 8°.)

- v. 1. 2. ed. With additions by M. Letteris. Wien, 1862. I v. 16°.

Ha-Meassef ba-Eres ha-chadashah. v. I, no. 1. New York, 1881. 12°.

Intended to be quarterly. Publication of the Society Shochere Sefat Eber. No more published.

Ha-Magid. v. 1-26, 28, 30-35 (1856-82, 84, 86-91). Lyck, Prussia, 1856-91. 33 v. F°.

Weekly. First Hebrew weekly published. v. 1-23 (1856-70), edited by E. L. Silbermann, assisted by D. Gordon (see the latter's letter to F. Mieses in Ozar-ha-Sifruy. v. 1, (1887), pp. 69-71); v. 24-29 (1886-85), edited by D. Gordon; v. 30-34, (1886-90), by D. B. Gordon; v. 35 (1891), edited and published at Berlin by J. S. Fuchs. See Kowner (A. U.) Cheker-Dabar. Wilna, 1865. 16°.

pp. 50-56. Ha-Magid. v. 4-11. Krakau, 1895-1902.

Weekly. Edited by J. S. Fuchs.

Ha-Modia le-Chodashim. v. 1-2. New York, 1900-02. 2 v. 8°.

English title Monthly Intelligencer. v. z edited by H. Rosenthal and A. H. Rosenberg; v. 2 by the latter alone.

Ha-Meliz. v. 9, 11, 14-20, 25, 30-31, 36-42. Odessa, 1869; St. Petersburg, 1871-1902. 18 v. F°. Edited by A. Zederbaum and A. I. Goldenblum. Since 1893 edited by L. Rabinovitch.

- Brainin (R.)

Zichronot. Sirtutim me-chayye A. Zederbaum u-techunato. Kraka#, 1899. 16°.

- Friedberg (A. S.)

Zichronot al debar ha-Erez. (In Sefer ha-Shanah. v. 1, pp. 238-253. Warsaw, 1900. 8°.)

- FRISCHMANN (D.) Tohu va-Bohu, Warsaw, 1883. 24°.

A review of Ha-Meliz. v. 18, 1882.

- KOWNER (A. U.) [Ha-Meliz] (In his Cheker Dabar. Wilna, 1865. 18°. pp. 50-56.) - [A review of Ha-Meliz. v. 6. 1866.] (In his Zeror Perachim, Odessa, 1868, 8°, pp.

12-92.) — MOWSCHOWITZ ( ).

A wahr Wort...wegen dem jüdischen Zeitungschreiber

Ha-Meliz... Warsaw, 1882. 8°.

Mispah. v. 1 (Sept.-Dec., 1885). St. Petersburg, 1886. I v. 8

Illustrated monthly, edited by A. Zederbaum. No more published. Reviewed by S. P. Rabbinowitz in his Keneset Visrael, v. 1 (1886), col. 159-165, and by N. Sokolow in his Ha-Asif, v. 3, pp. 448-480.

Ner ha-Maarabi. v. 1-2. New York, 1895-97. 2 v. 8°.

Monthly Edited by A. H. Rosenberg, and afterwards by S. B. Schwarzberg. English title: The Western Light. Of v. 2 only 4 nos. were issued.

Sefer ha-Shanah. v. 1-3. Warsaw, 1900-02. 3 v. 8°.

Annual. Edited by N. Sokolow. v. 3 (1902) reviewed by D. Zemach in Ha-Magid. v. 11 (1902), pp. 129-130, 152-154, 165-166, 177-178, 226-227, 239-240, 250.

Ha-Ibri. v. 1-9. New York, 1892-1902. Weekly. G. Rosenzweig, editor. English title: The Hebrew. No more published.

Ale Hadas. v. I. Odessa, 1865. I v. 8°. Edited by M. E. Belinson. No more published.

Ha-Am. v. 1. Kolomea, 1891-92. I v. 4°. Monthly. Edited by D. I. Silberbusch.

Ha-Pisgah. v. 2-6. New York, 1890; Baltimore, 1891-92; Boston, 1893; Chicago, 1897-

Weekly. Edited by W. Schur. Coutinued as Ha-Techiyah. - LIBOWITZ (N. S.)

Teshubah Sheniyah al Zilzule W. Schur. \* New York, 1898. ≖6°.

Pardes. v. 1-3. Odessa, 1892-96. 3 v. 8°. Edited by J. H. Rawnitzki.

Pirche Zafon. v. 1-2. Wilna, 1841-44. 2 v.

16°. Edited by E. L. Hurwitz and S. I. Fünn. No more pub-

Ha-Zofeh le-Bet Yisrael. no. 1-4. Krakau, 1890-91. I v. 8°.

Monthly, Edited by G. Bader.

Peri Ez chayim. Amsterdam, 1774[-79].

Rabbinical decisions of the members of the Sephardic Beth ha-Midrash Ez chayim (Arbol de las vidas) at Amsterdam, presided over by J. C. Abendana de Britto, S. Salem, and D. d'Azevedo. They were issued monthly (1728-61), thus constid'Azevedo. They were issued monthly (1728-61), thus constituting the first Hebrew monthly periodical.

Ha-Zefirah. v. I. Warsaw, 1862. I v. F°. — New series. v. 1-29. Warsaw, 1876-1902. 29 v. F°. Berlin, 1874-75;

Edited by C. S. Slonimski. v. 1-12 and v. 13, no. 1-11 (to March 11/23, 1886), issued weekly. Since April 11/23, 1886, it is issued daily. The daily edition was begun as v. 13, no. 1. N. Sokolow is joint editor, beginning with v. 13 (weekly

Kadimah. v. I, nos. I-6. New York, 1899.

Iv. 8°.
Monthly. Edited by G. Rosenzweig. No more published. Ha-Shachar. v. I-12. Wien, 1868-84.

Monthly. Edited by P. Smolensky. No more published. German title: Die Morgenröthe. Hebräisches organ für Wissenschaft, Bildung und Leben. v. 2 reviewed by A. Geiger in his Jüdische Zeitschrift, v. 9 (1871), pp. 298-316.

– Atlas (E.)

Ayyelet ha-Shachar, in Ha-Asif, v. 2 (1885), pp. 354-370. - Brainin (R.)

Pharez Smolenskin. 2 ed. Warsaw, 1896. 8°.

Ha-Shiloah. v. 1-9. Berlin, 1896-1902. 5 v. 8°. Monthly, Edited by U. Ginzberg, German title: Ha-chiloah, Literisch-wissenschaftliche Monatsschrift, The last Schiloah. Literisch-wissenschaftlich 2 nos. of v. 6 edited by S. Bernfeld.

Ha-Techiyah. Chicago, 1899-1900. F°. Weekly. Edited by W. Schur. Continuation of Ha-Pisgah. English title: Regeneration. No more published.

#### Judeo-German.

Abend Blatt vun die Arbeiter Zeitung. v. 3-8. New York, 1897-1902. 6 v. F°.

Organ of the Socialist Labor Party. English title: The Evening Paper. No more published.

**Arbeiter** Zeitung. v. 1-13 (1890-1902). New York, 1890-1902. F°.

Organ of the Socialist Labor Party. English title: The workman's paper. When the Abend-Blatt was started the Arbeiter Zeitung became its Sunday edition.

Frei Gesellschaft. A monatlicher Journal für die fortgeschrittene Ideen. v. 1-3. New York, 1895-1900. 3 v. in 1. 8°.

Haus-Freund (Der). A historisch-literarisches Buch. Hrsg. vun M. Spektor. Buch 1-5. Warsaw [1894]-96. 5 v. 8°.

v. 1 and 3, 2. ed. Has also Russian title-pages. See Wiener.). The history of Yiddish literature, pp. 110, 186-187, and Index, p. 391

Idischer Journal. Published by J. Saphirstein. v. 1-4 (1899-1902). New York, 1899-1902. 4 v. F°. Weekly edition of New-Yorker Abend-Post. English title: The Jewish Journal.

Idische Welt. v. 1. New York, 1902. I v.

English title: The Jewish World. Has an English depart-

- KOL MEBASSER. Souvenier vun die neue tägliche zeitung Die idische Welt, welche erscheint Freitag, 27-ten Juni, 1902. New York [1902]. 24°.

Jud (Der). v. 1-4. Krakau, 1899-1902. 4 v. F° Weekly.

Judisch-amerikanischer Volks-Kalender. v. 1-4 (1894/95-1897/98). New York [1894-97]. 4 v.

Edited by A. Harkavy, v. 1 and 2 entitled Der Amerikan-ischer Volkskalender. English title: The Jewish-American People's Calendar.

- v. 1. 2. ed. New York [1894?] 8°.

Judische Bibliothek (Die). A Journal fur Literatur, Gesellschaft un Ökonomie. Redagiert [sic] un hrsg. durch J. L. Perez. v. 1-3. Warsaw, 1891-95. 3 v. 8°.

Semi-annual. No more published. See Wiener (L).) The history of Yiddish literature, pp. 207-208, and Index, p. 393.

Judische Gazetten. v. 17-28. New York, 1891-1902. F°.

Published by Sarasohn and Son. Weekly edition of Jüdisches Tageblatt. English title: Jewish Gazette. Has also English department.

Judische Volks-Bibliothek. A Buch für Literatur, Kritik un Wissenschaft. Hrsg. vun S. Rabinowitsch (Shalom Alechem). Buch 1-2. Kiev,

1888-89. 2 v. 8°.

Annual. No more published. See Wiener (L.) The history of Yiddish literature, pp. 110, 194-201, and Index, pp. 393-394.

Judisches Volks-Blatt. v. 3-6. St. Petersburg, 1883-86. 4 v. F°.

Weekly. Edited by A. Zederbaum.

Neuer Geist (Der). v. 1. New York, 1897-98. I v. 4°.

Monthly. Edited by A. Harkavy.

**Vorwärts.** v. 4-5. New York, 1900-02. F°

Daily. Socialistic. English title: Forward.

Vorwärts. Jahr-Buch un Almanach. [v. 1.] New York, 1902. I v. 8°.

Zeit (Die). v. 1-2, New York, 1897-98. 2 v. in I.

Monthly. Edited by M. M. Dolitzky. English title: The Times. No more published.

Zukunft (Die). A wissenschaftlich-sozialistische Monatschrift. v. 1-6; new series, v. 1 (1892-97, 1902). New York, 1892-1902. 8°.

### American.

American Hebrew. v. 1-71. New York, 1879-1902. 71 v. F°. Weekly. See F. H. Vizetelly in Jewish Encyclopedia. v. 1, pp. 517-518. New York, 1901. 4°.

1901/02.) Cincinnati, 1854-1902. F°. Weekly Faired Lat. American Israelite. v. 1-48.

Weekly. Edited by I. M. Wise until March 26, 1900. v. 1-22 entitled: The Israelite.

See L. Wise in Jewish Encyclopedia, v. 1, pp. 518-519, New York, 1901. 4°.

American Jewish Historical Society Publica-

tions. no. 1-9. [Baltimore,] 1893-1901. 9 v. 8°. American Jewish Year Book. Edited by C. Adler. v. 1-3 (5660-62). Philadelphia, 1899-1901. 3 v. 12°.

American Jews' Annual for 5645-49, '51, '54, '57/'58 A. M. Cincinnati, New York, 1884-97. 8 v. 8°.

Atlantic Coast Jewish Annual. Philadelphia, 1896. I v. 8° Edited by J. L. Levy.

**B'nai B'rith** Messenger. v. 2-6. 1898-1902. Los Angeles, 1898-1902. 5 v. F°.

Formerly The Emanu-El. V. Harris, editor until Apr. 26, 1901. Claims to be fortnightly, but is irregular.

Central Conference of American Rabbis. Year book, 1890/91-1900/01. Cincinnati, 1891-1901.

Conference of Rabbis of Southern Congregations. Proceedings of the 1-2 sessions held at New Orleans, La., Apr. 14-15, 1885, and Dec. 29-31, '85. Cincinnati, 1885. I v. 8°.

**Hebrew** Leader; a weekly... v. 29-34. (1880-1882.) New York, 1880-1882. 3 v. F°.

Hebrew Review. Published by the Rabbinical Literary Association of America. v. I-2. Cincinnati [1880]-82. 2 v. in 1. 8°. Quarterly. Edited by M. Lilienthal. The last number appeared after his death. No more published.

Hebrew Standard. v. 41-43. New York, 1900-1902. 3 v. F°. Weekly. J. P. Solomon, editor.

H[ebrew] U[nion] C[ollege] Journal. v. 1-6. (1896-1902.) Cincinnati, 1896-1902. 6 v. 8°. Published monthly during the academic year.

Helpful Thoughts. A monthly journal devoted

New York, 1807-1902. 7 v. 8°.
J. Richman, R. Kohut, editors.
R. Gottheil, joint editor from June, 1897, to (Dec.? 1899).
M. H. Harris joint editor from Jan., 1900, to Jan., 1902.
J. Hirschman managing editor since Feb., 1902. J. Richman, R. Kohut, M. H. Harris are called advisory committee since Oct., 1901.
Not published in July and August.

Independent Hebrew. v. 1, nos. 1-17. (1876.) New York, 1876. Iv. F°.
Weekly. S. N. Leo, editor. No more published.

Jew (The): being a defence of Judaism against all adversaries, and particularly against the insidious attacks of Israel's Advocate. Edited by S. H. Jackson. v. 1-2. New York, 1823-25. 2 v. in I. 8°.

Against Christian conversionists. First Jewish periodical in America. No more published.

Jewish Comment. v. 7-14. (1897-1902.) Baltimore, 1897-1902. 8 v.

Jewish Criterion. v. 2-14. (1895-1902.) Pittsburgh, 1895-1902. 13 v. F°. Weekly.

Jewish Exponent. v. 27-34. Philadelphia, 1898-1902. 8 v. F°. Weekly. Chas. I. Hoffman, editor.

Jewish Ledger. v. 7-14. New Orleans, 1898-1901. 8 v. F°. Weekly. Official organ of the joint lodges of New Orleans, Independent order B'nai B'rith.

A. Steeg, publisher.

Jewish Messenger. v. 81-91. New York, 1897-1902. II v. F°. Weekly. Founded by S. M. Isaacs in 1857. A. S. Isaacs. editor.

Jewish Review. v. 11-15. (1898-1899.) Jessie Cohen, editor. Cleveland, 1898-1899. 5 v. F° Weekly. After Nov. 17, 1899, consolidated with the Hebrew Observer into the Jewish Review and Observer. v. 14 never printed.

Jewish Review and Observer. v. 21-25. (1809-1902.) Cleveland, 1899-1902. 5 v. Weekly. Jessie Cohen, editor. v. 21 begins wi (Nov. 17) and ends with no. 52 (June 29, 1900). v. 21 begins with no. 21

Jewish Sentiment. v. 5-12. (Nov., 1897-Aug., 1901.) Atlanta, 1897-1901. F°. Weekly. In Aug., 1901, it was merged into Southwestern Jewish Sentiment.

Jewish Times. English and German. v. 1-10. (1869/70-1878/7g.) New York, 1869-1879. 10 v.

Weekly. v. 9-10 title reads: Reformer and Jewish Times.
M. Ellinger publisher until Nov. 3, 1871; editor from Nov.
10, 1871-Feb. 23, 1872.
H. H. Marks, editor, Oct. 4, 1878.
See A. Geiger in his Jüdische Zeitschrift, v. 11 (1875), pp.

224-225.

Jewish Voice. v. 1-4, 8-32. (1888, 1890-1902.) St. Louis, 1888-1902. 29 v. F°. Weekly. M. Spitz, editor.

Maccabean. v. I. Chicago, 1882. I v. 8°. Monthly. Edited by H. Gersoni. No more published.

Maccabman. A monthly magazine . . . v. 1-2. (1901-1902.) New York, 1901-1902. 2 v. 8°. English and Judeo-German. Published, since October, 1001, under the supervision of the Federation of American Zionists.

New Era: a monthly periodical devoted to the interests of religion and humanity and to the diffusion of knowledge on Judaism and Jewish literature. Edited by R. D'C. Lewin. v. 1-5. (1870-75.) New York, 1871-75. 5 v. 8°.

Reform Advocate. v. 6-23. (1893-1902.) Chicago, 1893-1902. 18 v. F°. Published weekly in the interest of reform Judaism. E. G. Hirsch, editor. From Sept. 14, 1901, T. Schanfarber is joint

Southwestern Jewish Sentiment. (1901-1902.) Dallas, 1901-1902. 3 v. F°. F. J. Cohen, editor.

Union of American Hebrew Congregations. Proceedings. v. 1-4. (1873-97.) Cincinnati, 1873-97. 4 v. 8°.

Uriel. A monthly magazine devoted to cabalistic science. v. I, no. I. Boston, 1895. 8°. N. H. Imber, editor. No more published.

#### Australian.

**Australasian** Hebrew. v. 1. (1895/6.) Sydney, N. S. W., 1895. I v. F°.

Weekly. J. Goldstein, editor. No more published.

#### Dutch.

Israelitische Letterbode. Driemaandelijksch tijdschrift, gewijd aan joodsche wetenschap, geschiedenis en letteren, onder redactie van M. Roest. v. I-II. Amsterdam, 1875/77-85/86. II v. 8°.

Jaarboeken voor de Israëliten in Nederland. v. 1-4, s'Gravenhage, 1835-37. 4 v. 8°. Bi-monthly. No more published.

#### English.

**Hebrew** review and magazine of rabbinical literature. Edited by M. J. Raphall. v. 1-2. (Oct., 1834-Sept., 1835.) London, 1835. 2 v. 8°.

Jewish Chronicle. 1898-1902. London, 1898-1902. 5 v. F°. Weekly.

Jewish Historical Society of England. Transactions. v. 1-3. (1893-98.) London [1895-99]. 3 v. 4°.

Jewish Quarterly review: edited by I. Abrahams and C. G. Montefiore. v. 1-14. London, 1889-1902. 14 v. 8°.

Jewish (The) Year Book. An annual record of matters Jewish. Edited by Joseph Jacobs. v. [2]-6. (5658-5661: or 1898-1901.) London, 1897-1901. 5 v. 12°. v. 5-6 edited by I. Harris.

Young Israel. A monthly magazine. v. 1. London, 1898. I v. 4°.

Archives israélites. Recueil politique et religieux hébdomadaire. v. 1, 3-10, 15-39, 42, 44-46, 49-51, 58-63. *Paris*, 1840-1900. 45 v. 8°.

Revue des etudes juives. Publication trimestrielle de la Société des Etudes juives. v. 1-44. Paris, 1880-1902. 44 v. 8°.

Annuaire de la Société des Etudes juives. v. 1-4. Paris, 1881-85. 4 v. in 2. 12°.

v. 1-2 (1880-81) reviewed by N. Sokolow in his Ha-Asif, v. 4 (1887), pt. 4, pp. 74-119.

— Table des 25 premiers volumes. [Paris, 1892.] 8°. With v. 25.

Revue orientale. Recueil periodique d'histoire de géographie et de littérature; publié par E. Carmoly. v. 1-3. (1841-44.) Bruxelles, 1841-44. 3 v. 8°.

Univers israélite. v. 1, 2, 5-8, 9-14, 16-20, 22-36, 38-40, 42, 47, 49, 54-57. Paris, 1844-1902. 44 v. 8°

Vérité israélite, Recueil d'instruction religieuse. v. 1-2. Paris, 1860. 8°.

Weekly. Edited by J. Cohen.

#### German.

Allgemeine Zeitung des Judenthums. Ein unparteiisches Organ für alles jüdische Interesse. Hrsg. von L. Philippson. v. 1-50, 62-66. (1837-86, 1898-1902.) Leipzig, 1837-86; Berlin, 1898-1902. 55 v. F°. Since Feb. 9, 1890, edited by G. Karples.

For historical notes, etc., see: Allgemeine Zeitung des

Judenthums, v. 51 (1887), pp. 1-8; I. M. Joat's Neuere Gesch. d. Israeliten, v. 3, pp. 149-156; M. Kayserling's Ludwig Philippson, pp. 54-64; I. Singer in Jewish Encyclopedia, v. 1, PP. 412-413.

Ben-Chananja. Zeitschrift für jüdische Theologie. Herausgeber und Redakteur: L. Löw.

v. 2-3. Szegedin, 1859-60. 2 v. 8°. See A. Geiger in his Jüdische Zeitschrift, v. 4 (1866), pp. 266-273; and G. A. Kohut in Jewish Encyclopedia, v. 2, pp. 673-674.

Central-Anzeiger für jüdische Litteratur. Redigirt von N. Brüll (ergänzt von M. Steinschneider). v. 1. Frankfurt a. M., 1891. Iv. 8°.
No more published.

**Deborah** (Die). Eine deutsch-amerikanische Monatschrift in Gemeinde, Schule und Haus. n. F. v. 1-2. Cincinnati, 1901-02. 2 v. F°.

Fortschritt (Der) im Judenthume. Organ für die . . . Gemeinde, Synagoge, Schule, Familie und die Wissenschaft. Herausgeber und... Redacteur I. Baum. Jahrg. 3-6. Lobositz a. Elbe, 1882-85. 4 v. in 2. Semi-monthly.

Hebraeische Bibliographie. Blätter für ältere und neuere Literatur des Judenthums. Redigirt von M. Steinschneider. v. 1-21. Berlin, 1858-82.

21 v. in 5. 8°. Hebrew title: Ha-Mazkir. No more published.

Israelit (Der). Ein Centralorgan für das orthodoxe Judenthum. Hrsg. von Dr. Lehmann. v. 14-35, 39-43 (1873-94, '98-1902). Mains, 1873-1902. 27 v. 8°.

Israelitische Annalen: ein Centralblatt für Geschichte, Literatur und Cultur der Israeliten aller Zeiten und Länder. Hrsg. von I. M. Jost. Jahrg. 1839-41. Frankfort am Main, 1839-41. 3 v. in 2. 4°. No more published.

Israelitische Wochen-Schrift für die religiösen und socialen Interessen des Judenthums. v. 1. Breslau, 1870. 1 v. F°. Edited by A. Treuenfels.

Jahrbuch für die Geschichte der Juden und des Judenthums. v. 1-4. *Leipzig*, 1860-69. 4 v. 12°. (Institut zur Förderung der israelitischen Literatur. Schriften. Jahr 5., 1859/60; 6., 1860/61; 8., 1862/63; 14., 1868/69.)

Jahrbuch für jüdische Geschichte und Literatur. Hrsg. vom Verbande der Vereine für jüdische Geschichte und Literatur in Deutschland. [1898-]1900. Berlin, 1898-1900. 3 v. 8°.

. Jahrbücher fur jüdische Geschichte und Litteratur. Hrsg. v. N. Brüll. v. 1-10. Frankfurt am Main, 1874-90. 10 v. in 9. 8°.
No more published.

Partial contents are given in C. D. Lippe's Bibliographisches Lexicon. Wien, 1881-99. 8°.
v. 2 reviewed by M. Steinschneider in his Hebraeische Bib-

liographie, v. 16 (1876), pp. 89-92; v. 4, by the same, ibid. v. 20 (1880), p. 109.

– Index zu den Jahrgängen I, II und III. (In v. 3, pp. 201-208.)

Jude (Der), eine Wochenschrift. v. 1-8. Leipzig, 1768-71. 8 v. 16°.

Is rather a systematic description of the customs and doctrines of modern Judaism, by G. Selig, a converted Jew, formerly P. Heinemann. See De le Roi. Geschichte der evangelischen Judenmission. Leipzig, 1899. 8°. Th. 1, pp. 57-52. v. 9 wanting.

Jude (Der). Periodische Blätter für Religion und Gewissenfreiheit. In zwanglosen Abtheilungen hrsg. von G. Riesser. v. 2. Altona, 1833. I v. sq. 8°.
See Isler (M.) G. Riesser's Leben. Frankfurt a. M.,

1871. 8°. pp. 90-160.

Jüdische chronik. Monatsschrift zur Verallgemeinerung jüdischen Wissens und zur Wiederbelebung des Interesses an allen jüdischen Angelegenheiten. Hrsg. und redigiert von A. Kurrein. v. 5. Teplits, 1898-99. I v. 8°.

Jüdische Presse. Organ für die Gesammtinteressen des Judenthums. v. 5, 17, 19-21, 24-25, 29-30 (1874, '86, '88-90, '93-94, '98-99. Berlin, 1874-99. 9 v. f°.)
Edited by H. Hildesheimer. v. 5, edited by Dr. Enoch; its sub-title reads: Organ für die religiösen Interesen des Judenthumer.

Jüdische Zeitschrift für Wissenschaft und Leben. Hrsg. von A. Geiger. v. 1-11. Breslau, 1862-75. II v. 8°. No more published.

Kritik und Reform. Organ des modernen Judenthums. v. 1-2. Wien, 1884-85. 2 v. in 1. F°. Semi-monthly.

Magasin für jüdische Geschichte und Litteratur. Hrsg. von A. Berliner. v. 1-2. Berlin, 1874-75. 2 v. 4°.

Continued as: Magazin für die Wissenschaft des Juden-

Magazin für die Wissenschaft des Judenthums. Hrsg. von A. Berliner und D. Hoffmann. v. 3-20.

Berlin [1876-93]. 18 v. in 8. 8°.
Continuation of: Magazin für jüdische Geschichte und Literatur, v. 1-2. No more published.

Monatsschrift fur Geschichte und Wissenschaft des Judenthums. v. [1]-46 (1851-1901). v. p., 1852-1902.

v. 1-17, edited by Z. Frankel; v. 18-30, by H. Graetz; v. 31-35, by Graetz and P. F. Frankl; v. 36, by Graetz; v. 37-43, by M. Brann and D. Kaufmann; v. 44-45, by M. Brann. v. 33 (1884) reviewed by E. Atlas in Ha-Asif. v. 2, pp. 432-450.

- Inhaltsanzeige sämmtlicher Jahrgänge [v. 1-17, 1852-68]. (In v. 17, pp. 467-489. Breslau, 1868. 8°.)

Inhaltsverzeichniss der Jahrgänge 1869-87, von H. Graetz. Krotoschin, 1888. 8°. (With Monatsschrift, v. 36.)

Oesterreichische Wochenschrift. Centralorgan für die gesammten Interessen des Judentums. Hrsg. von J. S. Bloch. v. 3-8, 10-11, 15-19 (1886-91, 1893-94, 1898-1902). Wien, 1886-1902. 13 v. 4°.

Orient. Berichte Studien und Kritiken für judische Geschichte und Litteratur . . . (Literaturblatt des Orients). Hrsg. von J. Fürst. v. 1-12 (1840-51). Leipzig, 1840[-53]. 12 v. 4°.

The literaturblatt for 1840-50 has a separate pagination; after 1850 it ceased to appear as a distinct part of the work.

Ost und West. Illustrierte Monatsschrift für modernes Judentum. v. 1-2. Berlin, 1901-02. 2 v. 4°. v. 2 edited by D. Trietsch and L. Winz.

Populär-wissenschaftliche Monatsblätter zur Belehrung über das Judentum... Organ des Mendelssohn-Vereins. Hrsg. von A. Brüll. v. 1-18 (1881-1898). Frankfurt a. M., 1881-1898. 18 v. in 9. 8°.

Sinai. Ein Organ für Erkenntniss und Veredlung des Judenthums in monatlichen Heften. Hrsg. von D. Einhorn. v. 1-4, 6-7 (1856-62). Baltimore, 1856-62. 6 v. 8°.

Welt (Die). v. 1-6. Wien, 1897-1902. Zionist. Weekly.

Wissenschaftliche Zeitschrift für jüdische Theologie. Hrsg. durch A. Geiger. v. 1-6 (1835-47). v. p., 1835-47. 6 v. 8°.
No more published.

Zeitgeist (Der). Ein israelitisches Familienblatt. Organ für die Interessen des americanischen Judenthums. Hrsg. von A. Moses, E. G. Hirsch, I. S. Moses. v. 2-3. Milwaukee and Chicago, 1881-82. 2 v. F°.

Zeitschrift für die alttestamentliche Wissenschaft. Hrsg. von B. Stade. v. 1-22. Giessen, 1881-1902. 22 v. in 11. 8°. Semi-annual.

– Beihefte. 1–5. *Giessen*, 1896–1901. 5 v. in 1. 8°.

Zeitschrift für die Geschichte der Juden in Deutschland. Hrsg. von L. Geiger. v. 1-5. Braunschweig, 1887-1892. 5 v. 8°. No more published.

Zeitschrift für hebraeische Bibliographie. v. 1-6. Berlin, 1896-98; Frankfurt a. M., 1900-1902. 6 v. 8°.

Bi-monthly. v. 1-3 (1806-98), edited by H. Brody; from v. to date edited by A. Freimann and H. Brody. No volume published in 1899.

Zeitschrift für die religiösen Interessen des Judenthums . . . Hrsg. von Z. Frankel. v. 1-3 (1844-46). Berlin, 1844-46. 3 v. 8°.

No more published. Table of contents to the 3 v. in Monats-schrift f. d. Gesch. u. Wiss. d. Jud. v. 17, pp. 590-592. Breslau,

### Hungarian.

Magyar-ssido szemle [Hungarian Jewish Review]. Szerkeszti Blau Lajos. [Edited by Louis Blau. ] Evf. 15-19. Budapest, 1898-1902. 5 v. 8°. Ouarterly.

### Italian.

Educatore israelita, giornale di letture per le famiglie isralitiche. Compilato dai professori Levi G. ed E. Pontremoli. v. 1-22. Vercelli, 1853-74. 22. 8°.

Monthly. v. 19-22 edited by G. Levi alone. Continued as: Vessillo Israelitico.

Vessilo israelitico. Revista mensile per la storia, lo scienza et lo spirito de Giudaismo; diretta da F. Servi. v. 23-50. Casale, 1875-1902. 38 v. 8°. Continuation of Educatore israelito, v. 1-22; v. 32 (1884) re-

viewed by J. Dobrzinski in Ha-Asif, v. 2, pp. 698-716.

### Russian.

Budushchnost. v. 1-3 (1900-02). St. Petersburg, 1900-02. 3 v. 4°.

Weekly. Edited by S. O. Gruzenberg.

Buduschnost. v. I-2 (1900-01). St. Petersburg, 1900-01. 2 v. 8°. Annual supplement to the weekly edition. Edited by S. O.

Gruzenberg. Voskhod. v. 1, 3-22 (1881, 1883-1902). St.

Petersburg, 1881-1902. 21 v. 8°. Monthly. Edited by A. E. Landau. From v. 19 (1899), no. 8, edited by M. G. Syrkin; v. 4 (1884) reviewed by E. Atlas in Ha-Asif, v. 2, pp. 388-416.

Voskhod. v. 12-21 (1893-1902). St. Petersburg, 1893-1902. 10 v. F°.

Weekly. Edited by A. E. Landau. From v. 18 (1899), no. 32, edited by M. G. Syrkin.

**Yevreiskaya** Biblioteka. v. 1-8 (1871-80). St. Petersburg, 1871-92. 8 v. 8°.

Annual. Edited by A. E. Landau. v. 1 and 3, 2. ed., 1881,

Yevreiski yezhegodnik. [Almanac for] 5662-1901/02. St. Petersburg, 1901. I v. 12°.

### LIST OF WORKS RELATING TO THE AMERICAN COLONIZATION SOCIETY, LIBERIA, NEGRO COLONIZATION, ETC., IN THE NEW YORK PUBLIC LIBRARY.

\*\* Of the works here noted 122 volumes were given by the New York Colonization Society in March, 1902. All items in this list are in the Astor branch, except the maps, which are in the Lenox building.

HISTORY OF THE MOVEMENT.

**Liberia.**—*President*. Message, 1868, 1901. *Monrovia*, 1868–1901. 8°.

Gurley (Ralph Randolph). Life of Jehudi Ashmun, late colonial agent in Liberia. With an appendix, containing extracts from his journal and other writings; with a brief sketch of the life of the Rev. Lott Cary. Washington: J. C. Dunn, 1835. vii, 17-396, 1 l., 160 pp., 1 port. 8°.

Wilkeson (Samuel). Concise history of the commencement, progress, and present condition of the American colonies in Liberia. Washington, 1839. 88 pp. 8°. Title-page lacking.

McPherson (J. H. T.) History of Liberia. Baltimore: The Johns Hopkins Press, 1891. 61 pp, 11. 8°. (Johns Hopkins University Studies in Historical and Political Science. 9. ser., no. 10.)

Langford (W. S.) America in Africa; a paper read before the African Congress of the World's Columbian Exposition in Chicago, 1893. [Chicago, 1893.] pm. 8°.

McDonogh (J.) Some interesting papers of John McDonogh. Chiefly concerning the Louisiana purchase and the Liberian colonization. Edited by J. T. Edwards. McDonogh: Printed by Boys of McDonogh School, 1898. 1 p. l., 115 pp., 1 pl. 86.

Bacon (Leonard Woolsey). The services of Leonard Bacon to African colonization. (Liberia Bull. no. 15, pp. 1-21. Washington, 1899.)

### MAPS OF LIBERIA.

Map of Liberia. Compiled, from data on file in the office of the American colonization society, under the direction of Revd. W. McLain, Secy., by R. Cole. 1845. *Baltimore*, 1845. Lithograph by E. Weber & Co. Size: 23 16 x 17 in. Scale: 12 13 in.=1 m. Plain. Sheet.

With inset: "Vicinity of Monrovia. Surveyed by J. Ashmun, 1825," 4 3/16 x 41/2 in., scale 3 in. = 1 m.

Monrovia. Showing the plan of streets, house and lot owners, etc. [1850?] MS. Size: 26 x 9½ in. Scale: 2 in.=1 mile. Pen-and-ink drawing on back of two maps from Smith's Geography for Schools.

Mansion-house of President Roberts, Monrovia, Liberia. Lith. by A. Hoen & Co., Balt. [1850?] 15 x 21 inches.

Map of the Mecklin river, April 30th, 1858 [and the country to the north and west of it]. Size:

151/4 x 91/4 in. Scale: 10 in. = 21/8 m. Pencil drawing. Sheet.

St. Paul River. Liberia. W. Coast of Africa. Surveyed by the officers of the U.S.S. Ticonderoga, Com'dr. B. T. Cromwell, com'dg. 1879. Washington: Hydrog. Office, U. S. Navy, 1881. Size: 18 x 20. Scale: 1 in.=1 m. Plain. Sheet.

PUBLICATIONS BY OR RELATING TO THE GENERAL SOCIETY, OR TO LIBERIA.

American Colonization Society. Annual report. no. 1-85 (1818-1902). Washington, 1818gg. 8°.

Minor differences in title, the title-page of some of the earlier reports reading American Society for Colonizing the Free

- African Repository and Colonial Journal. v. 1-14; v. 15, no. 4, 18; v. 16, no. 1, 4-7, 9-13, 15-23; v. 17-v. 19, no. 8; v. 19, no. 10-v. 23; v. 24, no. 3-v. 35; v. 36, no. 2-11; v. 37-43; v. 44, no. 4-7, 9-12; v. 45, no. 1-7, 9-12; v. 46, no. 2-11; v. 47, no. 1-3, 9, 12; v. 48, no. 1, 3-12; v. 49, no. 2-12; v. 50-57, no. 7; v. 58, no. 2-3; v. 59, no. 3-4; v. 60, no. 1; v. 61, no. 1-3; v. 62-68, no. 1. (1825-Jan., 1892.) Washington, 1826-92. 8°.
- Liberia. Bulletin issued by the Society. no. 1-20 (1892-1902). Washington, 1892-1902. 8°.
- —— Annual discourse . . . at the annual meeting. no. 69, 71-73 (1886, '88-'90). Washington, 1886-90. 8°.
- Memorial to Congress, praying incorporation, etc. [1820.] 7 pp. 8°. (U. S. 16. cong., 1 sess., S. doc. 38, v. 1; H. doc. 63, v. 5.)
- Correspondence relative to the emigration to Hayti, of the Free people of Colour, in the United States. Together with the instructions to the agent [L. D. Dewey] sent out by President Boyer. New York: M. Day, 1824. 32 pp. 8°.
- Memorial to Congress. [1827.] 17 pp. 8°. (U. S. 19 cong., 2 sess. H. ex. doc. 64, v. 4; H. rpts. 277, 348.)

Clay (H.) Speech before the American Colonization Society, in the Hall of the House of Representatives, Jan. 20, 1827. With an Appendix, containing the documents therein referred to. Washington: Columbian Office, 1827. 12, 8 pp. 8°.

Missouri. - Legislature. Resolution of the Legislature of Missouri, declaring, in their opinion, that Congress has no power to appropriate moneys to aid the American Colonization Society. [Washington, 1829.] 3 pp. 8°. (U. S. 20 cong., 2 sess., S. doc. 89, in v. 2.)

Indiana.—Legislature. Joint Resolution of the Legislature of the State of Indiana in favor of Colonizing Free People of Color. [Washington, 1829.] I p. 8°. (U. S. 20 cong., 2. sess., H. ex. doc. 125, in v. 3.)

**Pennsylvania.**—Legislature. Resolution of the Legislature of Pennsylvania, relative to the American Colonization Society. [Washington, 1829.] 2 pp. 8°. (U. S. 21 cong., 1 sess., H. rpt. 24, in v. 1.)

American Society for Colonizing the Free People of Color of the United States. Memorial of the American Colonization Society. [Washington, 1830.] 29 pp. 8°. (U. S. 21 congr., I sess., H. rpt. 277, v. 2; H. rpt. 348.)

United States.—Slave Trade, Select Committee on. Report of the committee on the memorial of the American Society for Colonizing the Free People of Color of the United States; also, sundry memorials from the inhabitants of the state of Kentucky and a memorial from certain free people of color of the state of Ohio. [Washington, 1830.] 293 pp. 8°. (U. S. 21 cong., 1 sess., H. rpt. 348, in v. 3.)

American Colonization Society. A few facts respecting the . . . Society, and the colony at Liberia. For gratuitous distribution. Washington: Way & Gideon, 1830. 16 pp. 12°.

Report made at an adjourned meeting of the friends of the American colonization society, in Worcester County . . . 1830 . . . Worcester : S. H. Colton & Co., 1831. 20 pp. 8°.

Buckingham Co. (Va.) Petition of citizens for a plan of colonizing the free negroes in Africa. [Washington, 1831.] 2 pp. 8°. (U. S. 21 Cong., 2 sess., H. ex. doc. 88, in v. 3.)

American Colonization Society. Address of the managers to the people of the U.S. Washington, 1832. 16 pp. 8°.

Carey (M.) Letters on the Colonization Society; and on its probable results... The origin of the Society; increase of the coloured population; manumission of slaves in this country... Addressed to the Hon. C. F. Mercer. Philadelphia: L. Johnson, 1832. iv, 5-32 pp., 2 pl. 4. ed. 8°.

— Letters on the Colonization Society; and on its probable results . . . addressed to C. F. Mercer. To which is prefixed . . information . . by J. Jones, a coloured man . . sent to Liberia . . to ascertain the true state of the country . . and the situation and prospects of the colonists. *Philadel-phia*, 1834. 4, 32 pp., 2 pl. 8. ed. 8°.

**Stuart** (C.) Remarks on the colony of Liberia, and the American Colonization Society; with some account of the settlement of coloured people at Wilberforce, Upper Canada. *London*, 1832. 8°.

Minutes and proceedings of the annual convention for the improvement of the Free People of Colour in these United States... Philadelphia... 1833. New York, 1833. 8°.

Johnson (A. B.) Speeches before an auxiliary of the American Colonization Society, Utica, Jan. 13, 1834. *Utica* [1834]. 8°.

**Ashmun** (J[ehudi]). The Liberia farmer; or, Colonist's guide to independence and domestic comfort: Inscribed to all the industrious settlers of

Liberia. 1825. Philadelphia: Young Men's Coloniz. Soc. of Penna., 1835. 28 pp. 8°.

Jay (William). An inquiry into the character and tendency of the American colonization, and American anti-slavery societies. New York: Leavitt, Lord & Co., 1835. I p. l., 202 pp. 12°.

— 3. ed. 12°.

**Kentucky.** Memorial of sundry citizens of Kentucky, that the aid of the government be extended to the American Colonization Society. [Washington, 1836.] 2 pp. 8°. (U.S. 24. cong., I. sess. S. doc. 421, in v. 6.)

**Beecher** (Catharine E[sther]). An essay on slavery and abolitionism, with reference to the duty of American females. *Philadelphia: H. Perkins*, 1837. 151 pp. 2. ed. 16°.

Crisis (The), or, A few thoughts on the subject of slavery. [Signed Human rights.] n. t. p. [New York: H. Parks, pr., 184-?] 10 pp. 8°.

Gurley (R. R.) Letter to ... H. Clay ... and ... T. F. Buxton ... on the colonization and civilization of Africa. With other documents on the same subject. London: Wiley & Putnam, 1841. x, 66 pp. 8°.

— Mission to England in behalf of the American colonization society. Washington: W. W. Morrison, 1841. xii, 264 pp. 12°.

**Kennedy** (John Pendleton). African colonization; report from committee on commerce. (U. S. House. 27th Cong., 3d sess. Repts., v. 3, no. 283. 1842-43.)

Perry (M. C.) Correspondence relative to colonial settlements on the western coast of Africa. [Washington, 1844.] 42 pp. 8°. (U. S. 28. cong., I. sess. H. doc. 244, in v. 5.)

United States.—Foreign Affairs Committee. Report of the Committee, to whom was referred the petition of the American Colonization Society and others. [Washington, 1844.] 5 pp. 8°. (28. cong., I. sess. H. rpt. 469, in v. 2.)

Tables showing the number of emigrants... sent to... Liberia by the government of the United States; also, the number of emigrants free born, number that purchased their freedom, number emancipated, etc.; together with a census of the colony... Washington, 1845. I p. l., pp. 299-414, I map. 8°.

Adger (Rev. J. B.) The religious instruction of the colored population. A sermon . . . 1847 . . . Charleston, S. C.: T. W. Haynes, 1847. 19 pp. 1829.

United States.—Claims Committee. Report of the Committee, to whom was referred the petition of the executive committee of the American Colonization Society. [Washington, 1848.] I p. 8°. (30. Cong., I. sess. S. rpt. 144.)

American Colonization Society. On the American scheme of establishing colonies of free negro emigrants on the coast of Africa, as exemplified in Liberia. n. t. p. Edinburgh [1850?]. 8°.

[Sharpe (H. E.)] An appeal to our wise business-men, our philanthropic capitalists, and our statesmen. [New York, 1850?] 8 pp. 12°.

**Spencer** (Ichabod S[mith]). Fugitive slave law. The religious duty of obedience to law: a sermon, preached in . . . Brooklyn . . . 1850. New York: M. W. Dodd, 1850. 31 pp. 8°.

United States.—Claims Committee. Report of the committee of claims, to whom was referred the petition of the American Colonization Society, praying remuneration for the support of certain Africans recaptured from the slaver Pons, by the United States ship Yorktown... n. t. p. [Washington, 1850.] 8 pp. 8°. Reprint.

Naval Committee. Report... to the House of Representatives, August, 1850, in favor of the establishment of a line of mail steamships to the western coast of Africa, and thence via the Mediterranean to London; designed to promote the emigration of free persons of color from the United States to Liberia; also to increase the steam navy, and to extend the commerce of the United States. With an appendix added by the American Colonization Society. Washington: Gideon & Co., prirs., 1850. 79 pp. pap. 8°.

of state Department. Report of the secretary of state, communicating the report of the Rev. R. R. Gurley, who was recently sent out by the government to obtain information in respect to Liberia. n. t. p. [Washington, 1850.] 116 pp., I map, 7 pl. 8°.

Reprint.

Allinson (W. J.) Memoir of Quanimo Buccau, a pious Methodist. *Philadelphia: H. Longstreth*, 1851. 30 pp., 1 port. 12°.

McDonogh (John). The last will and testament of John McDonogh, late of ... Louisiana... printed literally, by order of the executors... New Orleans: "Daily Delta," pr., 1851. 68 pp. 8°

American Colonization Society. Information about going to Liberia: with things which every emigrant ought to know. Report of Messrs. Fuller and Janifer: sketch of the history of Liberia: and the constitution of Liberia. Washington: C. Alexander, pr., 1852. 24 pp. 8°.

Birney (James G.) Examination of the decision of the supreme court of the United States, in the case of Strader, Gorman and Armstrong vs. Christopher Graham . . . 1850. Concluding with an address to the free colored people, advising them to remove to Liberia. Cincinnati: Truman & Spofford, 1852. iv, 5-46 pp., 1 l. 8°.

**Delany** (Martin Robison). The condition, elevation, emigration, and destiny of the colored people of the United States, politically considered. *Philadelphia: The Author*, 1852. 215 pp. 12°.

Freeman (F.) Africa's redemption the salvation of our country... New York: The Author, 1852. 383 pp. 8°.

Hoyt (W. B.) Land of hope: Reminiscences of Liberia and Cape Palmas. Hartford: Fox & Hoyt, 1852. Ip. l., 10-220 pp. 16°.

American Colonization Society. Reasons why all the friends of the colored race should promote the enterprise of the American Colonization Society. New York: J. A. Gray, 1853. 13 pp. 24°.

Everett (E.) Address at the anniversary of the Am. Col. Society . . . 1853. n. t. p. [Washington? 1853.] 12 pp. 8°.

Lugenbeel (J. W.) Sketches of Liberia: comprising a brief account of the geography, climate, productions, and diseases of the republic of Liberia. Washington: C. Alexander, pr., 1853. 48 pp. 2. ed., rev. 8°.

**Lynch** (W[illiam] F.) Report [to the U. S. Navy Dept.] in relation to his mission to the coast of Africa. n. t. p. [Washington, 1853.] 64 pp. 8°. Repr.: House document, r.

Cowan (Alexander M.) African colonization. [Letter to J. H. B. Latrobe, president of the American Colonization Society.] n. t. p. Frankfort, Ky., 1855. 16 pp. 8°.

**Nesbit** (William). Four months in Liberia; or, African colonization exposed. *Pittsburgh: J. T. Shryock*, 1855. 82 pp., 1 l. 12°.

Williams (Rev. S.) Four years in Liberia. A sketch of the life of . . . W. With remarks on the missions, manners and customs of the natives of western Africa. Together with an answer to Nesbitt's book. *Philadelphia: King & Baird*, 1857. 66 pp. 12°.

**Blyden** (E. W.) A voice from bleeding Africa, on behalf of her exiled children. *Liberia: G. Killian*, 1856. 33 pp. 12°.

Christy (David). Cotton is king; or, The culture of cotton, and its relation to agriculture, manufactures and commerce... New York: Derby & Jackson, 1856. xxiv, 25-298 pp. 2. ed., revised and enlarged. 12°.

Ford (Henry A.) Observations on the fevers of the west coast of Africa. New York: E. O. Jenkins, 1856. 48 pp. 12°.

**Bowen** (T. J.) Central Africa. Adventures and missionary labors in several countries in the interior of Africa from 1849 to 1856. *Charleston: Southern Baptist Pub. Soc.*, 1857. 359 pp. 12°.

Scott (Mrs. A. M.) Glimpses of life in Africa. New York [1857]. 16°.

**Hammond** (J. H.), and **Latrobe** (J. H. B.) The Regina Cœli; correspondence between the Hon. J. H. H. and J. H. B. L. . . . [with appendix containing a letter of J. J. Roberts, ex-president of Liberia]. Baltimore: J. D. Toy, 1858. 47 pp. 8°.

Latrobe (John H. B.) African colonization its principles and aims. An address...by J. H. B. L., president of the American Colonization Society... Washington City, January 18, 1859. Baltimore: J. D. Toy, 1859. 37 pp. 8°.

Brittan (H. G.) Scenes and incidents of every-day life in Africa. New York: Pudney & Russell, 1860. I p. l., vi, 353 pp., 14 pl. 12°.

. United States.—Interior Department. Letter from the Secretary of the Interior, in answer to a resolution of the House of Dec. 16, 1861, requesting information as to contracts for returning and subsistence of captured Africans. [Washington, 1861.] 4 pp. 8°. (37. Cong., 2. sess. H. ex. doc. 12, in v. 1.)

Blyden (Rev. Edward W.) Liberia's offering, being addresses, sermons, etc. New York: J. A. Gray, 1862. 2 p. l., vi, 1 l., 5-167 pp. 8°.

2 p. l., vi, I l., 5-181 pp., I port. 8°.

\*Mitchell (James). Letter on the relation of the white and African races in the United States, show-

ing the necessity of the colonization of the latter. Washington, 1862. 8°.

American Colonization Society. Memorial of the semi-centennial anniversary of the American Colonization Society, celebrated at Washington, January 15, 1867. With documents concerning Liberia. Washington: Colonization Society, 1867. viii, 9-192 pp. 88.

Stockwell (G. S.) The republic of Liberia. New York: A. S. Barnes & Co., 1868. vii, 299 pp. 12°.

• Samson (G. W.) Emancipation and restoration to their Fatherland. Correlate duties of the people of the United States to the descendants of colored people desiring to be colonists in Africa. An address... Jan. 20, 1874. Washington City: M'Gill & Witherow, 1874. 16 pp. 8°.

• Grammer (Julius E.) African colonization; an address before the American Colonization Society. Washington, 1876. 8°.

Humphrey (E. P.) The color question in the United States. A paper prepared for the 60. annual meeting of the American Colonization Society, Washington, D. C., Jan. 16, 1877. Washington City: McGill & Witherow, 1877. 10 pp. 8°.

Allen (W. H.) The elevation of a race and the redemption of a continent. An address... before the American Colonization Society, Jan. 15, 1878. Pub. by request. Washington City, 1878. 11 pp.

American Colonization Society. Memorial, praying an appropriation for the purpose of making explorations and surveys on the western coast of Africa, and from Liberia into the interior of that continent, with a view to building up American trade and commerce therewith. [Washington, 1879.] 3 pp. 8°. (U. S. 45 cong., 3 sess., S. misc. doc. 67, in v. 1.)

Armstrong (Samuel Chapman). Emigration to Liberia; address before the American Colonization Society, Jan. 21, 1879. Washington, 1879. 8°.

Howe (Mark Antony De Wolf). African colonization; address before the American Colonization Society. Washington, 1879. 8°.

Latrobe (J. H. B.) Liberia: its origin, rise, progress and results. An address... before the American Colonization Society, Jan. 20, 1880. Pub. by request. Washington City, 1880. 11 pp. 8°.

**Marshall** (Charles Kimball). The exodus: its effect upon the people of the South; colored labor not indispensable; address before American Colonization Society. *Washington*, 1880. 8°.

Warren (G. W.) The duty of strengthening Liberia. An address... at the 63. annual meeting of the American Colonization Society, Jan. 20, 1880. Pub. by request of the Society. Washington City, 1880. 8 pp. 8°.

Samson (G. W.) The United States Government, the founder and necessary patron of the Liberian Republic. An address... before the American Colonization Society, Jan. 18, 1881. Pub. by request. Washington City, 1881. 12 pp. 8°.

Withrow (John L.) "The hour for Africa." An address delivered before the American Colonization Society, Jan. 18, 1881. Washington City, 1881. 12 pp. 8°.

Duryee (W. R.) The present success of Liberia; its extent and meaning. An address...at the 65. annual meeting of the American Colonization Society, Jan. 17, 1882. Pub. by request... Washington City, 1882. 11 pp. 8°.

**Nicholson** (W. R.) The present crisis in the work of the American Colonization Society. An address... at the 65. annual meeting of the American Colonization Society, Jan. 17, 1882. Pub. by request... Washington City, 1882. 11 pp. 8°.

Paddock (W. F.) Africa's call to America. A discourse... in behalf of the American Colonization Society... Feb. 26, 1882. Pub. by order of... l'ennsylvania Colonization Society. Philadelphia: Grant, Faires & Rodgers, 1882. 14 pp. 8°.

Blyden (E. W.) The origin and purpose of African colonization... annual discourse... at the 66. anniversary of the American Colonization Society... Jan. 14, 1883. Pub. by request... Washington City, 1883. 22 pp. 8°.

[Coppinger (W.)] The race for Africa. Hampton, Va., Normal School Steam Press, 1883. 12 pp. 8°

With leaflet: Emigration to Liberia, by T. G. Addison.

American Colonization Society. England and Liberia. [Washington, 1884.] 23 pp. 8°.

[Coppinger (W.)] Winning an empire. Hampton, Va., Normal School Steam Press, 1884. 14 pp.

**Tiffany** (O. H.) Africa for Africans...annual discourse... at the 67. anniversary of the American Colonization Society... Jan. 13, 1884. Pub. by request... Washington City, 1884. 14 pp. 8°.

[Coppinger (W.)] Making a world. Hampton, Va., Normal School Steam Press, 1885. 18 pp. 8".

American Colonization Society.—Committee on Emigration. Emigration to Liberia. Report... Jan. 20, 1885, '87. n. t. p. 8°.

Sunderland (B.) Liberia's next friend. The annual discourse delivered at the sixty-ninth annual meeting of the American Colonization Society, 1886. Washington, 1886. 21 pp. 8°.

[Coppinger (W.)] The new Africa; seventh annual paper. Hampion, Va., 1887. 8°.

Luther (Robert M.) Reasons for existence: The annual discourse delivered at the seventysecond annual meeting of the American Colonization Society... Washington, 1889. 15 pp. 8°.

Cook (O. F.) The negro and African colonization. (Forum. v. 27, pp. 114-119. New York, 1899. 8°.)

Turner (H. M.) Negro emigration to Africa. (Independent. v. 51, pp. 2430-2432. New York, 1899.)

### STATE SOCIETIES.

### Connecticut.

Connecticut.—African Colonization Committee. Report of the joint select committee to whom was referred the subject of African colonization.

May . . . 1852. New Haven: Osborn and Baldwin, prirs., 1852. 8 pp. 8°. (Doc. 15.)

#### Indiana.

Indiana Colonization Board. Report of the Secretary of the State Board of Colonization of the State of Indiana for 1853. *Indianapolis*, 1853. 23 pp. pap. 8°.

— State Board of Colonization. Report of Rev. John McKay, colored agent of the state board of colonization, on Liberia. Indianapolis: A. H. Brown, 1854. 41 pp. 8°.

Governor. Governor's message delivered to the General Assembly . . . 1855. [Includes a recommendation for continuing the annual appropriation to aid the colonization of Liberia.] Indianapolis: A. H. Brown, 1855. 23 pp. 8°.

### Kentucky.

Kentucky State Colonization Society. Annual report . . . 1855. n. t. p. [New York : New York Colonization Journal, 1855.] 16 pp. 8°.

Annual meeting. n. t. p. [Frankfort, 1853.] 8°.

Birney (J. G.) Letter on colonization, addressed to the Rev. Thornton J. Mills, corresponding secretary of the Kentucky Colonization Society. New York: The Anti-Slavery Reporter, 1834. 46 pp. 12°.

### Maryland.

**Maryland** Colonization Journal; conducted by J. Hall, general agent of the Maryland State Colonization Society. [Monthly.] n. s. v. 1-2, 4-6; v. 8, no. 8-v. 9, no. 9 (1841-'45, '47-'53, '56-58). *Baltimore*, 1841-58. 8°.

**Maryland** State Colonization Society. Constitution and laws of Maryland in Liberia; with an appendix of precedents. *Baltimore*, 1837. 8°.

--- 2 ed. Baltimore, 1847. 8°.

Maryland.—House of Delegates. Report of the committee on colored population [of Maryland]. [Annapolis? 1852.] 8°.

Hall (James). An address to the free people of color of the State of Maryland. Baltimore: J. D. Toy, 1859. 16 pp. 8°.

## New Jersey.

New Jersey Colonization Society. Annual report of the managers presented at the anniversary. no. 24-25 (1856-57). Newark, 1856-57. 8°.

### New York.

**New York** State Colonization Society. Annual report. nos. 12, 17-25 (1844, '49-'57). *New York*, 1844-'57. 8°.

New York Colonization Journal. Published monthly by the New York State Colonization Society. J. B. Pinney, editor. v. 1-8; v. 9, nos. 1-10, 12; v. 10, nos. 1-9, 11-12; v. 11-13. (Dec., 1850-Dec., 1863.) New York, 1850-63. F°.

New York State Colonization Society. African colonization. Proceedings, on the formation of the N. Y. S. C. Soc., together with an address to the public from the managers thereof. *Albany*, 1829. 8°.

- Emigration to Liberia. One thousand applicants for a passage to Liberia in 1848. An appeal in behalf of two hundred slaves liberated by Captain Isaac Ross. A brief history of the Ross slaves. New York: the Society, 1848. 36 pp. 12°.
- —— Information about going to Liberia. n. l. p. [New York, 185-?] 18 pp. 16°.
- A few facts and figures for the friends of Africa. New York: the Society, 1850. 24 pp. 12°.

**New York State.**—Assembly. In Assembly, Feb. 18, 1851. Report of the committee on charitable societies, on the memorial of the colonization society. n. t. p. 4 pp. 8°.

Reprint.

Exposition of the errors of the New York State Colonization Society, in its late attacks on the American Colonization Society. [New York: Macdonald & Palmer, 1870.] 36 pp. 8°.

Pp. 17-18, 21-23, 25-26, 29-30 misplaced.

### --- New York City.

Colonization Society of the City of New York. Annual report. nos. 3, 5, 7 (1835, '37, '39). New York, 1835-39. 8°.

Title of no. 3 reads: Proceedings . . .at . . . annual meeting, including annual report.

Cosmo-American Colonization and General Improvement Bureau, Andrew J. Rogers, prest. Doc. no 1. Prospectus 2. By-Laws. New York, n. d. 8°.

New York State.—Statutes. An act to incorporate the New York Society for the Promotion of Education among Colored Children . . . 1847 . . . n. t. p. [New York, 1847.] 8°.

#### ----Oneida County.

Colonization Society of the County of Oneida. [Address.] n. l. p. [n. p., 1838.] 8 pp. 8°.

#### Ohio.

American Colonization Society. Ohio in Africa. Memorial to the... Senate and House of Representatives of... Ohio [from the Ohio Committee of Correspondence]. n. t. p. [n. p., 1851.] 7 pp. 8°.

### Pennsylvania,

Colonisation (The) Herald and General Register. Conducted by the Pennsylvania Colonization Society. N. S. v. 2, nos. 1-2, 4-12 (Apr. 12-26, May 24-Sept. 27, 1843); nos. 1-18 (Oct., 1843-Mch., 1845); nos. 1-45 (Apr., 1845-Dec., 1848). Philadelphia, 1843-48. F°.

1843. Apr.-Sept., semi-monthly; Oct., 1843-Dec., 1848, monthly.

**Pennsylvania** Colonization Society. Report of the board of managers... with an appendix. *Philadelphia*, 1830. 8°.

—— London, 1831. 8°.

### Vermont.

Vermont Colonization Society. Annual report. nos. 30, 34 (1849, 1853.) Burlington, Windsor, 1849-1853. 8°.

**Tracy** (Joseph). Natural equality: a sermon before the Vermont Colonization Society at Montpelier. *Windsor*, 1833. 8°.

Fowler (William C[hauncey]). A discourse, delivered at Montpelier, Oct. 17, 1834, before the Vermont Colonization Society. *Middlebury*, [Vt.]: Vermont Col. Soc., 1834. Ip. l., 3-32 pp. 8°.

Conversé (J. K.) The history of slavery and means of elevating the African race. A discourse delivered before the Vermont Colonization Society ... 1840. Burlington, 1840. 8°.

### CATALOGUE OF LITERARY ANNUALS AND GIFT BOOKS IN THE NEW YORK PUBLIC LIBRARY.

\*\*\* Of this collection of annuals the greater part—over four hundred volumes—was brought together by Mr. John Robinson, of Salem, Massachusetts, from whom they were secured by Mrs. Henry Draper and presented to the Library. They are located in the Astor building.

France.

Paris-Londres. Keepsake français. [1840?] Paris [1840?]. 8°.

Germany.

Taschenbuch . . . der Liebe und Freundschaft gewidmet. Herausgegeben von St. Schütze. 1823-24. Frankfurt-am-Main [1823-24]. 2 v. 32°.

### Great Britain.

Amaranth (The), a literary present for the instruction and entertainment of the young. Edited by R. Roscoe. 1836. London [1836]. 16°.

Amulet (The); or, Christian and literary remembrancer. Edited by S. C. Hall. v. [2-7, 10-11] (1827-32, 35-36). London, 1827-36. 8 v. 24°.

Auniversary (The); or, Poetry and prose. Edited by A. Cunningham. 1829. London, 1829. 8°.

Ayrshire wreath (The). A collection of original pieces . . . on subjects relating to Ayrshire. 1843. Kilmarnock, 1843. 16°.

Bijou (The); an annual of literature and the arts. v. 2[-3] (1829-30). London, 1829-30. 2 v.

Biographical keepsake (The). Historical and characteristic sketches of the most distinguished persons of the present time. Ser. 1-2. London [1827?-1828]. 2 v. 24°.

Cabinet (The) of literary gems. Edited by B. Bowring. [1840?] London [1840?]. 16°.

Cattermole's historical annual, 1841, '45. London, 1841-45. 2 v. 8°.

1841. Cattermole (R.) The great civil war of Charles I. and the Parliament, v. 1.

- Another ed. Being Heath's historical annual. 1842. 1845. Same. v. 2. Being also Heath's picturesque annual for 1845.

Christian Keepsake (The), and Missionary Annual. Edited by W. Ellis. 1836, 38. London, [1836-38]. 2 v. 12° and 8°.

Christian souvenir (The), a literary and religious offering. London, n. d. 8°.

Ornamental t.-p. reads-The Christian offering.

Christmas box (The). An annual present to young persons. Edited by T. C. Croker. 1829. London, 1829. 16°.

Christmas tales, historical and domestic. By W. H. Harrison. London, n. d. 24°.

Comic annual (The). By T. Hood. 1830, 33, 35. London, 1830-35. 3 v. 16°.

Comic offering (The); or, Ladies' melange of literary mirth. Edited by L. H. Sheridan. v. 1-5. 1831-35. London, 1831-35. 5 v. 16°.

English annual (The) for 1834-36. [1834-36]. 3 v. 8°

1834-35, ed. by Mrs. Norton.

Excitement (The); or, A book to induce young people to read. Edited by R. Jamieson. v. 11. (2. ed.) 1840. Edinburgh, 1840. 24°.

Was begun in 1830; 1837, passed into different hands, but was also continued by editor of preceding vols. under title of New excitement (1838-40).

Fisher's drawing-room scrap-book. With poetical illustrations. 1834-36, 38, 41, 45. London, 1833-45. 6 v. 4°.

1834-36, '38, by Letitia E. Landon; 1841, by M. Howitt; 1845, by the author of Women of England, S. S. Ellis.

Forget me not; a Christmas, New Year's and birthday present. Edited by F. Shoberl. 1826, 1829, 32-40, 44-46. London [1826, 1829-46].

- Another ed. of 1838. 16°.

Friend's annual (The); or, Aurora borealis. For 1834. Newcastle-upon · Tyne [1834]. 16°.

Friendship's offering; and winter's wreath: a Christmas and New Year's present for 1829-35, 37-41, 43-44. London, 1829-44. 14 v. 24° and 8°. Minor variations in title.

Gem (The), a literary annual. [v. 1-2, 4.] (1829-30, 32.) London, 1829-32. 3 v. 16°.

1829, ed. by T. Hood.

Gems of beauty displayed in a series of . . . engravings . . . with . . . illustrations in verse by the Countess of Blessington. [183-.] London [183-].

Heath's book of beauty . . . Edited by the Countess of Blessington [Marguerite Power Gardiner]. 1833-36, 39, 41, 44. London [1833-44]. 7 v. 12° and 8°.

1833, by Letitia E. Landon.

Heath's historical annual. 1842. London, 1842.

1842. Cattermole (R.) The great civil war of Charles I. and the Parliament. v 1.

- Another ed. Being Cattermole's historical annual. 1841.

**Heath's** picturesque annual. 1832, 33, 35, 36, 39, 43-45. *London*, 1832-1845. 8 v. 8° and 4°. 1832. Ritchie (L.) Travelling sketches in the north of Italy . .

1833. Ritchie (L.) Travelling sketches on the Rhine . . . 1835. Ritchie (L.) Scott and Scotland. 1836. Ritchie (L.) A journey through St. Petersburg and Moscow

1839. Ritchie (L.) Versailles. 1843. Ward (S.) The American in Paris. 1844. Ward (S.) The American in Paris during the summer.

1845. Cattermole (R.) The great civil war of Charles I . . .

Historical keepsake (The); a series of original tales, chiefly ... of ... events in British history. Edited by J. W. Dalby. Ser. 2 [1836]. London, 1836. 16°.

Hommage aux dames. [1825.] London, 1825. 24°.

Imperial (The). A Christmas and New-Year's present for 1839. London [1839]. 8°.

Iris (The); a literary and religious offering. Edited by T. Dale. [1830-31.] London, 1830-31. 2 v. 16°.

Jennings's landscape annual. 1830-39. London, 1830-39. 10 vols. 8°.

1830. Roscoe (T.) The tourist in Switzerland and Italy. 1831. Roscoe (T.) The Tourist in Italy [Rome and

Venice].
1832. Roscoe (T.) The tourist in Italy [Milan, Florence and Naples].

1833. Roscoe (T.) The tourist in Italy [Vietri, Vico, etc.].
1834. The tourist in France.
1835. Roscoe (T.) The tourist in Spain. Granada.
1836. Roscoe (T.) The tourist in Spain. Andalusia.
1837. Roscoe (T.) The tourist in Spain, Biscay and the
Castiles.

1838. Roscoe (T.) The tourist in Spain and Morocco. 1839. Harrison (W. H.) The tourist in Portugal,

Juvenile forget me not (The). A Christmas and New Year's gift or birthday present. Edited by Mrs. S. C. Hall. 1830, '31, '33, '34, '36 ['38?]. London [1830-38?]. 6 v. 16°.

Juvenile keepsake (The). Edited by T. Roscoe. 1829. London, 1829. 16°.

Juvenile scrap-book (The). 1836, 38, 43, 44. London [1836-44]. 4 v. 8°.

1836, 38, called Fisher's Juvenile scrap-book.
1836, ed. by B. Barton; 1838, by A. Strickland and B. Barton; 1843-44, by Mrs. Ellis.

Keepsake (The). 1830-36, 38-57. London, [1830-]57. 27 v. 12° and 8°.

1830-35, 39, ed. by F. M. Reynolds; 1836, by Mrs. Norton; 1840, by Lady E. Stuart Wortley; 1841-30, by the Countess of Blessington; 1851-57, by Miss Power.

Landscape album (The); or, Great Britain illustrated: containing . . . views. By W. Westall. With descriptions of the scenery. By T. Moule. Ser. [1-]2. London, 1832-34. 2 v.

Literary souvenir (The); or, cabinet of poetry and romance. Edited by A. A. Watts. 1825-35, 42. London, 1825-42. 12°.

- Another ed. 1828-30, 32. 16°. 1835 reads: The literary souvenir and cabinet of modern rt. New series. 1842 reads: The cabinet of modern art.

Marshall's Christmas box, a juvenile annual. 1832, 35. London, 1832-35. 2 v. 12°.

Maval annual (The); or, stories of the sea, for 1836. London, 1836. 8°.

1836. Marryat [(F.)] The pirate and the three cutters.

**New** comic annual (The). [1831?] *London*, [1831?] 16°.

New Year's gift (The); and juvenile souvenir. Edited by Mrs. Alaric Watts. 1832. London, 1832.

Oriental annual (The), or, Scenes in India; comprising . . . engravings from . . . drawings by W. Daniell, and a descriptive account by H. Caunter. 1834-40. London, 1834-40. 7 vols. 8°.

1837 reads: Lives of the Moghul emperors; 1839, Caunter's and Daniell's oriental annual. Eastern legends; 1840, . . . containing a series of tales . . . by T. Bacon, with engravings by W. and E. Finden from sketches by the author and M. Taylor.

**Protestant** Christian keepsake (The). Edited by Charlotte Elizabeth. 2. ed. London [1841].

Scottish annual (The). Edited by W. Weir. [1836.] Glasgow, 1836. 12°.

Talisman (The), or English keepsake: a bouquet of literature and the fine arts. [1835?] London [1835?]. 12°.

Turner's annual tour. 1833-34. London. 1833-34. 2 vols. 8°.
1833. Ritchie (L.) Wanderings by the Loire.
1834. "Wanderings by the Seine.

Winter's wreath (The), a collection of original contributions in prose and verse. [1829-]1830. London [1829-30]. 2 vols. 16°.

Wreath (The) of friendship; a token of regard. Edited by C. Cecil. [1837?] London [1837?]. 16°.

#### India.

Bengal annual (The). A literary keepsake. Edited by D. L. Richardson. 1830. Cakutta, 1830. 8°.

### United States,

Affection's gift: a Christmas, New Year, and birthday present for 1854-55. Philadelphia, 1854-55. 2 vols. 12°.

Affection's gift, or a Holiday present. 1832. New York, 1832. 16°.

ton, 1847-55. 7 vols. 12°.

1853-55 ed. by E. Percival.
1849, pub. in Worcester, is same as Garland, 1850;
Token of friendship, 1853; Casket, n. d.; and Memory's gift, 1869, with slight differences.
1851 lacks one plate.

Amaranth (The). A gift for all seasons. Revised by the Committee of publication of the American Sunday-School Union. [1842.] Philadelphia, 1842. 12

Another copy, with undated t.-p. 16°.

Amaranth (The). A literary and religious offering . . Edited by J. H. Buckingham. [1831.] Newburyport, [1831]. 16°.

American (The) juvenile keepsake. Edited by Mrs. Hofland. 1836. New York [1836]. 24°.
Another ed. of 1836, omitting date, publishers' advertisement, and one article, and lacking one pl.

Amethyst (The), an annual of literature. Edited and published by N. C. Brooks. [1831.] Baltimore, 1831. 24°.

Amethyst (The); or, Poetical gems. book for all seasons. Edited by Miss M. P. Janes. [1850.] Boston, 1850. 32°.

Amulet (The). A Christmas and New Year's present for 1846. Boston, 1846. 12°.

Annualette (The). A Christmas and New Year's gift for children. [1840, 1844.] Boston, 1840-44. 2 vols. 24°.

**Atlantic** souvenir (The). 1826-32. *Philadel-phia*, [1826-]1832. 7 vols. 24° and 16°.

1826-29 add: a Christmas and New Year's offering.

Baltimore book (The), a Christmas and New Year's present. Edited by W. H. Carpenter and T. S. Arthur. 1838. Baltimore, 1838. 12°.

Book (The) of the boudoir; or, Memento of friendship . . . Edited by Ellen Louise [Chandler Moulton]. 1853. Boston [1853]. 8°.

Boston book (The). Being specimens of metropolitan literature. [v. 1-4] (1836-37, '41, '50). Boston, 1836-50. 4 vols. 12°.

v. 1 ed. by H. T. Tuckerman; v. 2, by B. B. Thatcher; v. 3, by G. S. Hillard.

Boudoir annual (The): a Christmas, New Year and birthday present for 1846. Boston, 1846. 4°.

Brilliant (The). Edited by T. S. Arthur. 1851. New York [1851]. 8°.

Casket (The): a gift book for all seasons. New York, n. d. 12°.

Another ed. Boston, n. d. 12°.

Same as Amaramth, Worcester, 1840; Garland, Boston, 1850; Memory's gift, New York, 1869; Tokem of Friendship. Boston [1853].

Charleston book (The): a miscellany in prose and verse. [1845.] Charleston, 1845. 12°.

Christian family annual (The). v. 3 [1844]. n. p. [1844]. 8°.

Christian (The) parlor book: devoted to science, literature and religion. 1851. New York, 1851. 4°.

Christian keepsake (The) and missionary annual. 1838-40, '47-49. Philadelphia, [1838-]49. 12°. 6 vols.

1838-40 ed. by J. A. Clark; 1847 pub. in Boston.

Christian offering (The), for 1832. Boston, 1832. 16°.

Christian souvenir (The). Edited by H. D. Moore. v. 1 (1847). Philadelphia, 1847. 8°.

Christian souvenir (The): an offering for Christmas and the New Year. Edited by I. F. Shepard. 1843. Boston, 1843. 16°. Lettered 1844 on back.

Christian souvenir (The), and missionary memorial for 1851. Auburn, 1851. 12°.

Christian wreath (The). Religion, morality, literature. 1847. Philadelphia, 1847. 8°.

Christian's annual (The): a miscellany for 1846. Philadelphia, 1846. 16°.

Christmas blossoms, and New Year's wreath. By Uncle Thomas. 1851. Philadelphia, 1851. 12°.

Christmas tales. Boston, n. d. 24°. Coral (The), or gift for all seasons . . . Edited by H. W. Herbert. [v. 1. (18-).] New York [18—]. 12°.

**Dew-drop** (The): a tribute of affection. For 1852-53. Philadelphia, 1852-53. 2 vols. 12°.

Diadem (The). A present for all seasons. 1845, '47. Philadelphia, 1845-47. 2 vols. 4°.

Diadem. A souvenir for the drawing room and parlor, and gift book for all seasons. Edited by E. Percival. Boston [1830?]. 8°.

— Another ed. New York, n. d. 8°.

Drawing-room scrap book (The). Edited by A. W. Lawrence. 1850. Philadelphia, 1850. 4°.

Evergreen (The). A Christmas, New Year, and birthday gift. New York, n. d. 12°.

Evergreen. A present for all seasons. 1847. Philadelphia, 1847. 8°.

1846, '48, '50, Forget-me-not (The) . . . [52, 56]. New York [1846-56]. 5 vols. 16° and 12

Minor variations in title.
1846, '48, ed. by A. A. Phillips; 1850, by E. S. Smith; 1852, by I. Maitland.

Friendship's memorial for 1853. New York, 1853. 8°.

Friendship's offering: a Christmas, New Year and birthday present. 1841-51, '53, '55. Boston, [1840-] 1855. 13 vols. 12°

- New York: Leavitt & Allen, n. d. I2°.

Minor variations in title. 1842 ed. by C. H. W. Esling. 1853, '55, pub. in Philadelphia.

Garland (The): designed as a Christmas and New-Year's present. 1830. New-York: J. Drake, 1830. viii, 9-324 pp., 10 pl. 24°.

Garland (The): a Christmas, New Year and birthday present. 1839. Boston: J. A. Noble, 1839. vii, 9-331 pp., 9 pl. 16°.

--- 1840. Boston: J. A. Noble, 1840. vii, 9-331 pp. 9 pl. 16°.

Garland (The) or, Token of friendship. Christmas and New Year's gift. Edited by E. Percival. [v. 1, 3-5, 8.] (1848, 1850-52, '55.) Boston, 1848-55. 4 vols. 12°.

1850 is same as Amaranth, Boston, 1840; Token of Friendship, 1833, Casket, n. d., and Momory's Gift, 1869, with slight differences; 1852 same as Koopsake of friendship, 1853. 3. eds. of 1855, one of which was pub. ia New York.

Gathered leaves: or, Miscellaneous papers. by H. F. Gould. 1846. Boston, 1846. 12°.

Gem (The): a Christmas and New Year's pressent, for 1840, '42, '55. Philadelphia, [1840-]1855. 3 vols. 16°.

Gem annual (The): a Christmas, New Year, and birthday present, for 1854. Philadelphia, 1854. 12°.

Gem of the season. Edited by N. P. Willis. 1850, '53[-'54]. New York, 1850[-54]. 3 vols. 8°.

Gems of beauty: or, Literary gift. Edited by E. Percival. 1851. Boston, 1851. 8°.

Gift (The), for 1847. New York [1847]. 16°. Gift (The): a Christmas and New Year's present. 1836-37, '39-'40, '42-['46?]. Philadelphia [1836-46?]. 9 vols. 16° and 8°.

- Another ed., 1837. Philadelphia [1837].

1836-37, '39-'40 ed. by Miss Leslie. 1845 has title: The Gift: a Christmas, New Year and Birthday present. [1846?] lacks printed title-page; it is identical with 1845, excepting the frontispiece and 5 additional plates.

Gift (The) of affection: a Christmas and New-Year's present. New York: Leavitt & Allen, n. d. 2 p. l., vii-viii, 9-264 pp. 6 pl. 12°.

Gift of affection. A souvenir. New York: Leavitt & Allen [1856?]. 3 p. l., iii-x, 11-260 pp., 8 pl. 12°.

Gift of flowers. Love's wreath. Edited by R. W. Griswold. 1853-54. New York, 1853-54. 2 vols. 12°.

Gift (A) of love. Boston: G. W. Cottrell [1850?]. 128, 9-128 pp., 1 pl. 24°. Half-title to second group of paging: The memento.

Gift (The) for all seasons. [1853.] New York, 1853. 16°.

Gift (The) for all seasons. A juvenile annual. 1844. Philadelphia, 1844. 16°.

Gift of sentiment, a souvenir. Edited by R. W. Griswold. 1853. New York, 1853. 16°.

Golden gift (The): a token for all seasons. Edited by J. M. Fletcher. [1847.] Boston [1847]. 32°.

Golden gift (The): a wreath of gems from the ... writers of England and America, prepared ... as a gift book for all seasons. By E. Percival. [1854.] Boston [1854]. 8°.

Golden present (The), a gift for all seasons. Edited by J. Thayer. 1849. Nashua, 1849. 32°.

Good girl's annual, a Christmas and New Year's gift, by F. Broderip. [18—.] New York [18—].

**Hyacinth** (The): or, Affection's gift. A Christmas, New-Year's and birth-day present. [v. 3-6, 8-9.] (1847-50, '52-'53.) *Philadelphia* [1847-53]. 6 vols. 16°.

Iris (The), or Annual visiter [sic]. Edited by D. Mallory. 1844. New York [1844]. 16°.

Iris (The); an illuminated souvenir. Edited by J. S. Hart. 1851, 53. Philadelphia, 1851-53, 2 v. 8°.

**Juvenile** forget me not (The); a Christmas, New Year's, and birth day present, for 1839. *Phila-delphia* [1839]. 16°.

Juvenile keepsake (The): a gift book for young people. Edited by C. Arnold. [1852?] Boston [1852?]. 12°.

**Keepsake** américain. Morceaux choisis et inédits de littérature contemporaine. *New York: C. de Behr*, 1831. 2 p. l., vij-xij, 362 pp., 12 pl. 16°.

—— New York: C. de Behr, 1832. 2 p. l., vij-xij, 362 pp., 12 pl. 16°.

**Keepsake** (The): a Christmas, New Year's, and birthday present, for 1845. New York, 1845. 16°.

**Keepsake** (The) of friendship. A Christmas and New Year's annual. Edited by G. S. Munroe. 1853, '55. *Boston*, 1853-55. 2 vols. 12°.

1853 is same as Garland, Boston, 1852.

— Another ed. of 1855, t.-p. undated.

Another ed. of 1855, with other plates published in New York, no date. Spurious?

Ladies' gift (The); or, Souvenir of friendship. [1851.] Boston, 1851. 12°.

Lady's (The) Token, or Gift of Friendship. Edited by Cotesworth Pinckney. Nashua, N. H., 1850. 12°.

**Ladies'** wreath (The) and parlor annual. 1852. Edited by H. Irving. *New York*, 1852. 8°.

**Ladies'** wreath (The): an illustrated annual. Edited by H. Irving. New York: J. C. Burdick, n. d. iv, 2 l., 13-432 pp., 24 pl. 8°.

— New York: J. F. Scovill, n. d. 2 p. l., 9-220, 7-214 pp. 8°.

— New York: Burdick & Scovill, n. d. 2 p. l., 9-220, 9-218 pp., 24 pl. 8°.

Ladies' wreath (The); a selection from the female poetic writers of England and America. With ... notes ... By Mrs. [S. J.] Hale. [1837.] Boston, 1837. 12°.

**Lady's** annual (The); a souvenir of friendship and remembrance... Edited by E. Marshall. 1849. New York, 1849. 16°.

Lady's cabinet album (The). [1835.] New York, 1835. 16°.

Same as MOSS rose, n. d.

Laurel wreath (The). Edited by S. D. Burchard. Hartford: S. Andrews & Son [1846]. viii, 9-364 pp., 11 pl. 12°.

---- New York: Leavitt & Allen, n. d. 2 p. l., vii-viii, 9-263 pp., 6 pl. 12°.

--- Another copy, 4 plates, differing from above.

**Leastets** of memory: an annual. Edited by R. Coates. [v. 1-2, 4, 12.] (1845-46, '48, '56.) *Philadelphia* [1845-56]. 4 vols. 8°.

No editor given for 1856. Published in New York.

**Liberty** bell (The). By friends of freedom. 1839, '42-'43, '45-'49, '51-'53, '56, '58. *Boston*, 1839-58. 13 vols. 16° and 12°.

— Another ed., 1839.

No issues for 1840, 1850, 1854-55, 1857.

**Lily** (The), a coloured annual. 1831-32, '34-'35, *New York*, 1831-35. 4 vols. 24° and 16°.

1831-32, '34-'35 differ only in imprint date.

Laly of the valley (The). 1851-52, '55-'58, and I undated vol. *Boston*, 1851-58. 7 vols. 12°. 1851-52 ed. by M. A. Livermore; 1855 by E. Doten; 1858 is same as May flower, Lynn, n. d.

Literary amaranth (The), or Prose and poetry. By N. C. Brooks. 1840. Philadelphia, 1840. 12°.

Literary souvenir (The); a Christmas and New Year's present, for 1838, '40. '44. Philadelphia, 1838[-44]. 3 vols. 8° and 16°.

1838, '40 ed. by W. E. Burton.

Love gift (A). 1845. Boston, 1845. 16°.

**Magnolia** (The). Edited by H. W. Herbert. 1836-37, '41-'44. *New York*, 1836[-44]. 6 vols. 12°

The matter in 1836, '41-'44 is the same.

**Magnolia** (The); or, Gift-book of friendship. Edited by C. Arnold. [1852, '55.] Boston [1852-55]. 2 vols. 12°.

- Another ed. New York, 1852. 12°.

May flower (The). 1846-48 ['55], and I undated vol. *Boston*, 1846-55. 5 vols. 12°.

1846 ed. by R. Hamilton; 1847-48 by Mrs. E. O. Smith; [1855] by E. Florence; [1855] and undated vol. add: "a gift for all seasons." Undated vol., pub. in Lynn, is same as Lily of the valley for 1858.

Memento (The): a gift of friendship. Edited by C. W. Everest. 1847 [2. ed.]. New York, 1847. 12°.

**Memorial** (The). A Christmas and New Year's offering. Edited by F. S. H[ill?]. [1827.] Boston [1827]. 16°.

Memory's gift. [1869] and I undated vol. New York, 1869. 2 vols. 12°.

1860 is same as Amaranth, Worcester, 1849; Gar-land, Boston, 1850; and Token of friendship, 1853, with slight differences.

**Mignonette** (The); a gift for all seasons. [1857.] New York [1857]. 12°.

Miscellanies first published under name of the Talisman. By G. C. Verplanck, W. C. Bryant, and R. C. Sands. v. 3. New York, 1833.

Same as Talisman, 1830.

Moral and religious souvenir. [1828.] Boston, 1828. 24°.

Moss rose (The): a Christmas and New Year's present. [1847] and one undated vol. New York, 1847. 2 vols. 12°.

1847 ed. by S. G. Goodrich. The undated vol. reads: or, Annual gift. It is the same as Ladios' album.

Oasis (The): or, Golden leaves of friendship. Edited by N. L. Ferguson. [1855.] New York, 1855. 12°.

Odd-fellow's gem (The): containing sentiments of "friendship, love and truth." Edited by a lady. [1846.] Na:hua, 1846. 32°.

**Odd-fellow's** offering (The). [3-10.] 1845-52. *New York*, 1845-52. 8 vols. 12° and 8°. 1845-47, '49 ed. by P. Donaldson; 1848, by J. L. Ridgely and P. Donaldson.

Offering (The), for 1829. Cambridge, 1829. 24°.

Offering (An) to beauty . . . comprising the poetry of woman. [Edited] By J. W. Hanson. [1853.] Lowell, 1853. 12°.

Offering of beauty. A present for all seasons. Edited by A. W. Lawrence. [1848.] Philadelphia, 1848. 8°.

Offering (The). A Christmas and New Year's present. 1834. Philadelphia, 1834. 24°.

**Opal** (The): a pure gift for the holy days. 1844-48. *New York*, 1844-48. 5 vols. 12°. 1844 ed. by N. P. Willis; 1845, 1848 by S. J. Hale; 1846-47 by J. Keese.

Pearl (The): or, Affection's gift. A Christmas and New Year's present. 1829-34, '36-'37. Philadelphia, 1829-37. 8 vols. 16°.

None published in 1835.

Pet annual (The), a gift for all seasons. Edited by E. B. Fellows. [18—.] New York [18—]. 16°.

Philopona (The); a perennial gift. Edited by P. Donaldson. [1845.] New York [1845]. 12°.

**Primrose** (The): a gift of friendship. Edited by C. W. Everest. [1850.] Hartford, 1850. 32°.

Rainbow (The). Edited by A. J. McDonald. 1847-48. Albany, 1847-48. 2 vols. 8°. 1847 and 1848 are alike.

**Religious** offering (The). Edited by C. H. Waterman. 1840. *Philadelphia* [1840]. 16°.

Religious souvenir (The), a Christmas, New Year's and birth day present. 1833-37, '39-'40, '45[-46]. Philadelphia, [1833-]46. 9 vols. 16°. Minor changes in title. 1833-35 ed. by G. T. Bedell; 1836-37 by C. Colton; 1839-40, '45-46 by Mrs. L. H. Sigourney. None pub. for 1838; 1837, '39-'40 pub. in New York; 1845, pub. in Hartford, is same as 1840, with some pls. changed; 1846 is same as 1845.

Remember me (The): a religious and literary miscellany. Intended as a Christmas and New Year's present. [1829.] Philadelphia [1829]. 24°.

Rose (The); or, Affection's gift. Edited by E. Marshall. 1842, '44-'46, '48. New York, 1842-48. 5 vols. 16°.

Rose of Sharon (The): a religious souvenir. Edited by S. C. Edgarton and C. M. Sawyer. 1840-57. Boston, 1840-57. 18 vols. 12°.

Rosebud (The). [18—.] New York [18—]. 16°.

Rosette (The): a juvenile annual, for 1848. Boston, 1848. 16°.

Snow-flake (The): a holiday gift, for 1849-50. '52. *Philadelphia*, 1849–52. 3 vols. 12°.

1852 reads: a Christmas, New-Year, and birthday gift.

Sons (The) of temperance offering: edited by T. S. Arthur. 1850. New York [1850]. 8°.

Talisman (The), for 1828-30. New York, 1827-29. 3 vols. 24°.

Edited by Francis Herbert, i.e.: W. C. Bryant, R. C. Sands, and G. C. Verplanck. 1830 was republished as Miscellamies, v. 3, 1833.

Temperance offering (The): edited by T. S. Arthur. [1853.] New York [1853]. 12°.

Token (The), or, Affection's gift: a Christmas and New Year's present. Edited by S. G. Goodrich. New York: A. Edwards, n. d. I p. l., viiviii, 9-312 pp., 6 pl. 12°.

Spurious. Another ed. of vol. for 1838 of true series, some pls. different.

- New York: A. Edwards, n. d. 1 p. l., vii-viii, 9-312 pp., 4 pl. 12°.

Cover dated 1845. - New York: A. & C. B. Edwards, n. d. 1. p. l., vii-viii, 9-312 pp., 6 pl. 12°.

Cover dated 1842. Pls. differ from other eds.

- New York: Leavitt & Allen, n. d. 2 p. l., vii-viii, 9-262 pp., 6 pl. 12°.

Pls. differ from other eds.

- New York: Leavitt & Allen, n. d. I p. l., vii-viii, 9-262 pp., 6 pl. 8°.

Pls. differ from other eds.

- Hartford: S. Andrus & Son, n. d. 1 p. l., vii-viii, 9-312 pp., 7 pl. 12°.

Some pls. differ from other eds.

Token (The) and Atlantic souvenir, a Christmas and New Year's present. [1828-42.] Boston, 1828-42. 15 vols. 24° and 16°.

1829 ed. by N. P. Willis; 1850-42, by S. G. Goodrich. 1828-32 omit "and Atlantic souvenir."

Token (The) and Atlantic souvenir: a Christmas and New Year's gift. New York: Leavitt & Allen [18—]. 3 p. l., vii, 9-81, 1 l., 5-175 pp., 6 pl. 12°. Spurious?

Token (A) of friendship. Boston: G. W. Cottrell [1850?]. 2 p. l., 5-128, 7-128 pp., 1 pl. 24°. Half-title to second group of paging: Choice gift.

Token (The) of friendship: an offering for all seasons. 1851, ['53,'55]. Boston [1851-55]. 3 vols. 12°.

- Another ed. of 1855, undated.

1851, ed. by B. K. Peirce, reads: a gift book for the holidays. [1853] same as Garland, Boston, 1850; Ambranth, Worcester, 1849; Memory's gift, New York, 1869; and Casket, n. d.

Token (The); a gift for all seasons. [1857.] New York [1857]. 12°.

Token (A) of love. Edited by a lady. [E. M. M.] [18-.] New York [18-]. 32°.

Violet (The). A Christmas and New Year's gift. New York: Leavitt & Allen [18-]. 4 p. l., 7-250 pp., 6 pl. 16°.

Violet (The): a Christmas and New Year's present. Edited by Miss Leslie. 1837, '39-40, '42. Philadelphia, 1837-42. 4 vols. 16°.

Visitor (The): a Christmas and New Year's token. Edited by B. Field. [1829.] Boston, 1829. 32°.

**Wanderer** (The). [v. 1.] New York, 1821. 16°. Western souvenir (The), a Christmas and New Year's gift. Edited by J. Hall. 1829. Cincinnati [1829]. 24°.

Winter-bloom (The). Edited by H. D. Moore. [1851.] Philadelphia [1851]. 8°.

Winter green (The), a perennial gift. Edited by J. Keese. 1844. New York [1844]. 12°.

— 1849. 12°.

\_\_\_\_\_ 1853. 12°.

Text is identical in the three editions; slight variations in the plates.

Young lady's book (The) of poetry... By the author of "The young man's own book." [1835.] Philadelphia, 1835. 24°.

Young ladies' offering (The); or, Gems of prose and poetry, by Mrs. Sigourney, Mrs. Hemans, Mrs. Howitt, Eliza Cook . . . and others. Boston: Phillips & Sampson, 1848. 264 pp., 4 pl. 12°.

Youth's keepsake (The). A Christmas and New Year's present. [1869.] New York, 1869.

**Youth's** keepsake (The); a Christmas and New Year's gift for young people. [1830-31, '35-36, '38, '40, '46.] *Boston*, 1830[-46]. 7 vols. 16°.

Youth's parlor annual (The). Edited and published by D. Newell. [v. 1.] New York [1845?].

Youth's sketch book (The) for 1836. [Philadelphia [1836]. 24°.

### PRINCIPAL ACCESSIONS IN JUNE.

### BIOGRAPHY-GENEALOGY.

**Banquet** to R. Fulton Cutting and Elgin R. Gould at the Waldorf-Astoria, January the seventh, nineteen hundred and two. *New York*, 1902. 8°. Gift of S. P. Avery.

Besant (Sir W.) Autobiography. London, 1902. 8°.

Clarke (G. K.) The descendants of Nathaniel Clarke. *Boston*, 1902. 8°.

Edwards (H. S.) Sir William White. London, 1902. 8°.

**Greenwood** (T.) Edward Edwards, the chief pioneer of municipal public libraries. *London*, 1902. 12°.

Jenkinson (I.) Aaron Burr: his relations with Thomas Jefferson and Alexander Hamilton. *Richmond*, *Ind.*, 1902. 12°.

**Martin** (W.) Gerard Doré. *London*, 1902. 8°. (Great masters in painting and sculpture.)

Munro (J.) Lord Kelvin. London, 1902. 24°. (Bijou biographies, no. 9.)

**Nielsen** (J.) Erik Gustav Geijer. *Odense*, 1902. 16°.

Taine (H. A.) H. Taine, sa vie et sa correspondance. Paris, 1902. 12°.

**Thwaites** (R. G.) Father Marquette. *New York*, 1902. 12°. (Appleton's life histories.)

Webb (T. E.) The mystery of William Shake-speare. London, 1902. 8°.

Whittelsey (C. B.) The Roosevelt genealogy. Hartford, cop. 1902. 8°.

### UNITED STATES.

**Bliss** (W. R.) September days on Nantucket. *Boston*, 1902. 8°.

**Brown** (D. A.) The history of Penacook, N. H. Concord, N. H., 1902. 8°.

**Brown** (W. G.) The lower South in American history. New York, 1902. 12°.

**Butler** (C. H.) The treaty-making power of the United States. New York, 1902. 2 v. 8°.

Clewell (J. H.) History of Wachovia in North Carolina. New York, 1902. 8°.

**Dubbs** (J. H.) The Reformed Church in Pennsylvania. Lancaster, Pa., 1902. 4°.

**Griffith** (W.) History of Kansas City. Kansas City, Mo., 1900. 8°.

Jackman (W.) History of the town of Elma, N. Y. Buffalo, 1902. 8°.

**Larned** (J. N.) The literature of American history: a bibliographical guide. *Boston*, 1902. 4°. (American Library Association annotated lists.)

Linn (W. A.) The story of the Mormons. New York, 1902. 8°.

Mallary (R. De W.) Lenox and the Berkshire Highlands. New York, 1902. 8°.

**Melvin** (J.) The Journal of J. Melvin. *Portland*, Me., 1902. sq. 8°.

Merrick (C. E.) Old times in Dixie land. New York, 1901. 12°.

Muir (J.) Our national parks. Boston, 1902.

Myers (A. C.) Quaker arrivals at Philadelphia, 1682-1750. *Philadelphia*, 1902. 12°.

Page (W. H.) The rebuilding of old commonwealths. New York, 1902. 12°.

**Patterson** (C. S.) The United States and the states under the constitution. *Philadelphia*, 1888.

### EUROPE.

**Bury** (J. B.) A history of Greece to the death of Alexander the Great. *London*, 1902. 8°.

Copinger (W. A.) History of the Parish of Buxhall. London, 1902. 4°.

Corbin (J.) An American at Oxford. Boston, 1902. 12°.

Fischer (T. A.) The Scots in Germany. Edinburgh, 1902. 8°.

**Higgin** (L.) Spanish life in town and country. New York, 1902. 12°. (Our European neighbors.)

Historical essays by members of the Owens-College, Manchester, published in commemoration of its jubilee (1851-1901.) London, 1902. 8°.

MacDonagh (M.) Parliament: its romance; its comedy; its pathos. Westminster, 1902. 8°.

Nottingham Parish Registers. Marriages. v. 4. London, 1902. 8°. (Phillimore's parish register series, v. 28.)

Schirrmacher (F. W.) Geschichte von Spanien. Bd. 7. Gotha, 1902. 8°. (Geschichte der europaeischen Staaten.)

**Skene** (W. F.) The Highlanders of Scotland. Stirling, 1902. 8°.

### AFRICA AND ASIA.

Abbott (J. H. M.) Tommy Cornstalk. London, 1902. 12°.

**Alexander** M. Mackay, Pionier-Missionar von Uganda. *Leipzig*, 1902. 8°.

**Burden** (The) of proof; some aspects of Sir Redvers Buller's work in South Africa, by an average observer. *London*, 1902. 12°.

Davitt (M.) The Boer fight for freedom. New York, 1902. 8°.

**Dicey** (E.) The story of the Khedivate. London, 1902. 8°.

East India Company. Letters received from its servants in the East. v. 6. London, 1902. 8°.

**Times** (The) history of the war in South Africa. v. 2. London, 1902. 8°.

Winterhalder (T. von), Ritter. Kämpfe in China. Wien, 1902. 8°.

Wright (G. F.) Asiatic Russia. New York, 1902. 2 v. 8°.

### GEOGRAPHY.

Balch (E. S.) Antarctica. Philadelphia, 1902.

Gift of the author.

**Habets** (A.) Cours de topographie. *Paris*, 1902. 3. ed. 8°.

Hickmann (A. L.) Atlas universel politique, statistique, commerce. Vienne, 1902. 16°.

Wheeler (W. H.) The sea-coast. London, 1902. 8°.

White (The) world. Life and adventures within the Arctic circle. New York, 1902. 8°.
(Arctic Club.)

#### ART.

Ferrari (G.) La scenografia. Milano, 1902. 16°.

(Manuali Hoepli.)

**Koch** (A.) Grossherzog Ernst Ludwig und die Ausstellung der Künstler-Kolonie in Darmstadt. Darmstadt, 1901. 4°.

**Suffling** (E. R.) A treatise on the art of glass painting. *London*, 1902. 8°.

**Veyran** (L. de). Peintres et dessinateurs de la mer. *Paris*, 1901. 12°. Gift of S. P. Avery.

### LITERATURE.

Bellman (C. M.) Fredmans Sange. Köben-havn, 1902. 12°.

**Bormann** (E.) 300 Geistesblitze und Anderes von und über Bacon-Shakespeare-Marlowe. *Leipzig*, 1902. 8°.

Carman (B.) Ode on the coronation of King Edward. Boston, 1902. 8°.

Cox (Mrs. M. M.) Home thoughts. Ser. 2. New York, 1902. 12°.

Davis (F. H.) Christmas voices and other poems. Erie, Colorado, 1901. 24°.

**Doyle** (A. C.) The hound of the Baskervilles. *New York*, 1902. 12°.

Gift of Mrs. H. Draper.

Ervin (D.) The Hermitage and random verses. New York, 1902. sq. 16°.

Huneker (J.) Melomaniacs. New York, 1902.

Gift of Mrs. Henry Draper.

**Keese** (W. L.) The Siamese twins and other poems. *New York*, 1902. 8°.

**Kyd** (T.) The works of T. Kyd. Oxford, 1901. 8°.

Le Plongeon (A. D.) Queen Moo's talisman. London, 1902. 8°.

McGovern (J.) J. McGovern's poems. Evanston, 1902. 12°.

**Nield** (J.) A guide to the best historical novels and tales. *New York*, 1902. sq. 8°.

Pike (A.) Gen. A. Pike's poems. Little Rock, Ark., 1900. 8°.

Rogers (L. H.) The kite trust. New York, 1902. 4. ed. 12°.
Gift of Miss B. Eger.

Russell (G. W. E.) An onlooker's note-book. New York, 1902. 8°.

**Shorter** (Mrs. D. S.) The woman who went to hell, and other ballads. London, 1902. 8°.

Swift (J.) The prose works of J. Swift. v. 9. London, 1902. 12°.

Wiener (L.) Anthology of Russian literature. pt. 1. New York, 1902. 8°.

World's (The) great classics. Index. New York, 1902. 8°.
Gift of Julian Hawthorne.

# ECONOMICS, SOCIOLOGY, POLITICAL SCIENCE.

Bossi (E.) I nuovi orizzonti della vita municipale. *Milano*, 1902. 12°.

Collet (C. E.) Educated working women. London, 1902. 12°.

**Crawley** (E.) The mystic rose: a study of primitive marriage. *London*, 1902. 8°.

Flint (C. R.), and others. The trust. New York, 1902. 12°.

Gummere (A. M.) The Quaker: a study in costume. Philadelphia, 1901. 8°.

Haw (G.) No room to live: the plaint of overcrowded London. London, 1900. 2. ed. 12°.

**Howard** (B.) Prisoners of Russia. New York 1902. 12°.

Rowntree (J.), and Sherwell (A.) British "Gothenburg" experiments. London, 1901. 2. ed. 8°.

Sombart (W.) Der moderne Kapitalismus. Leipsig, 1902. 2 v. 8°.

**Walker** (J.) The commonwealth as publican: an examination of the Gothenburg system. Westminster, 1902. 12°.

Wojucki (E.) Ueber die Emancipation der Frauen. Czernowits, 1901. 8°.

Women's Educational and Industrial Union. Leaflet, no. 7. Boston, 1898. 12°.

### COMMERCE, RAILWAYS, ETC.

American and English railroad cases. v. 24. Charlottesville, Va., 1902. 8°.

Andrews (H. B.) Handbook for street railway engineers. New York, 1902. nar. 24°.

**Bodmer** (G. R.) The inspection of railway materials. London, 1902. 12°.

Institute of actuaries text-book of the principles of interest and assurances. London, 1901. 2 v.

Paish (G.) The British railway position. London, 1902. 8°.

Ringelmann (M.) Le matériel agricole. Paris,

Wyssmann (E.), and Peter (A.) Milchkenntnis und Milchuntersuchung. Frauenfeld, 1902. 8°.

LIBRARY ECONOMY, INDEXING, ETC.

**Plummer** (M. W.) Hints to small libraries. *Brooklyn*, 1902. 3. ed. 8°.

Wheatley (H. B.) How to make an index. London, 1902. 12°.

#### SCIENCE.

**Boettger** (W.) Grundriss der qualitativen Analyse. *Leipzig*, 1902. 8°.

Cajori (F.) A history of mathematics. New York, 1901. 8°.

Huxley (T. H.) Scientific memoirs. v. 4. London, 1902. 4°.

Meyer (M. W.) Der Untergang der Erde und die kosmischen Katastrophen. Berlin, 1902. 8°.

**Ruedorff** (F.) Rüdorffs Grundriss der Chemie. Berlin, 1902. 12. ed. 8°.

**Vail** (I. N.) The waters above the firmament: the mosaic record scientifically explained. *Philadelphia*, 1902. 2. ed. 8°.

# BIOLOGY.

Gardens old and new. London, 1902. f°. (Country life library.)

Job (H. K.) Among the water-fowl. New York, 1902. 8°.

Jordan (D. S.), and Evermann (B. W.) American food and game fishes. New York, 1902.

**Lee** (R. B.) A history of the fox terrier. *London*, 1902. 4. ed. 8°.

Sandys (E.), and Van Dyke (T. S.) Upland game birds. New York, 1902. 8°.

(The American sportsman's library.)

## MEDICINE.

**Handbuch** der Geschichte der Medizin. Begründet von T. Puschmann. Bd. 1. *Jena*, 1902. 8°.

**Sedgwick** (W. T.) Principles of sanitary science and the public health. *New York*, 1902. 8°.

**Thompson** (Sir H.) Diet in relation to age and activity. London, 1902. Rev. ed. 12°.

MILITARY AND NAVAL SCIENCE, ETC.

Hancock (H. I.) Life at West Point. New York, 1902. 12°.

**Hurd** (A. S.) Naval efficiency. *London*, 1902. 8°.

Welch (J. J.) A text book of naval architecture. London, 1901. Rev. ed. 4°.

APPLIED SCIENCE AND USEFUL ARTS.

**Arnold** (E.) Die Gleichstrommaschine. Bd. 1. Berlin, 1902. 8°.

**Baudry de Saunier** (L.) Les recettes du chauffeur. *Paris*, 1902. 12°.

**Baule** (A.) Lehrbuch der Vermessungskunde. Leipzig, 1901. 8°.

Berkeley (W. N.) Laboratory work with mosquitoes. New York, 1902. 8°.

**Charpentier** (P.) Timber. Translated by J. Kennell. *London*, 1902. 4°.

**Fischer** (F.) Das Wasser, seine Verwendung Reinigung und Beurtheilung. *Berlin*, 1902. 3. ed. 8°.

Foli () Handwriting as an index to character. London, 1902. 12°.

**Graham** (A. J.) The hand-book of standard or American phonography. *New York*, 1902. Rev. ed. 12°. Gift of C. Sexton.

**Graham** (The) and Benn Pitman phonography contrasted. *New York*, 1900. 12°. Gift of C. Sexton.

**Harmsworth** (A. C.) Motors and motordriving. *London*, 1902. 12°. Badminton library.

Holt (R. B.) Rugs, oriental and occidental. Chicago, 1901. 4°.

Horner (J. G.) Pattern making. London, 1902. 3. ed. 8°.

**Keim** (A. W.) The prevention of dampness in buildings. *London*, 1902. 12°.

Lehner (S.) Die Kunststeine. Wien [1902?]

12°. (Hartleben's chemisch-technische Bibliothek. Bd. 257.

**Minet** (A.) Galvanoplastie et galvanostégie. *Paris*, 1902. 12°.

(Encyclopédie scientifique des aide-mémoire.)

**Nicholson** (W.) Practical smoke prevention. London, 1902. 12°.

Parser-Muchlbacher (A.) Die modernen Sprechmaschinen. Wien, 1902. 8°.

Richardson (Mrs. M.), and Propheter (J.) Macfadden's new cookery book. London, 1902. 12°.

Seurat (L. G.) L'huître perlière. Paris, 1902. 12°.

(Encyclopédie scientifique des aide-mémoire.)

Soxhlet (D. H.) The art of dyeing and staining. London, 1902. 12°.

Thompson (Sir H.) The motor-car. London, 1902. 12°.

Young (Mrs. H. M.) Home-made sweetmeats. Cambridge, 1902. 12°.

# TEWS.

Curtiss (S. I.) Primitive Semitic religion. Chicago, 1902. 8°.

Gift of J. H. Schiff.

Friedlaender (M.) The Jewish religion. London, 1900. 2. ed. 12°. Gift of J. H. Schiff.

Horovitz (M.) Die Inschriften des alten Friedhofs der israelitischen Gemeinde zu Frankfurt a. M. Frankfurt a. M., 1901. 8°. Gift of J. H. Schiff.

Renser (J. S.) Die Hauptpersonen des Richterbuches in Talmud. v. 1. Berlin, 1902. 8°. Gift of J. H. Schiff.

**Schreiner** (M.) Die jüngsten Urteile über das Judentum. *Berlin*, 1902. 8°. Gift of J. H. Schiff.

# BIBLICAL AND RELIGIOUS LITERATURE.

**Bible**—Old Testament. English. The Bible for home reading, edited for the use of Jewish parents. Pt. 1-2. London, 1899-1900. 2 v. 8°. Gift of Jacob H. Schiff.

Chase (F. H.) The credibility of the book of the Acts of the Apostles. *London*, 1902. 8°. (The Hulsean lectures. 1900-01.)

**Dictionary** (A) of the Bible, edited by J. Hastings. v. 4. Edinburgh, 1902. 4°.

Encyclopædia biblica. v. 3. London, 1902.

4°. Greenstone (J. H.) The religion of Israel. Philadelphia, 1902. 12°. Gift of J. H. Schiff.

James (W.) The varieties of religious experience: a study in human nature. New York, 1902. 8°.

(Gifford lectures, 1901-02.)

**Lehmkuhl** (A.) Casus conscientiæ ad usum confessariorum. v. 2. *Friburgi Brisgoviæ*, 1902. 8°.

PHILOSOPHY-METAPHYSICS, ETC.

**Brooks** (H. J.) The elements of mind. *London*, 1902. 8°.

**Brooks** (H. S.) Progression to immortality. New York, 1902. 12°. Gift of the author.

**Deussen** (P.) Die Elemente der Metaphysik. *Leipzig*, 1902. 3. ed. 8°.

**Sidgwick** (H.) Philosophy, its scope and relations. *London*, 1902. 8°.

Weismann (A.) Vorträge über Descendenztheorie. Jena, 1902. 2 v. 8°.

# PHILOLOGY.

**Beitraege** zür romanischen und englischen Philologie-Festgabe für Wendelin Foerster. *Halle a S.*, 1902. 8°.

**Bello** (A.) Gramática de la lengua castellana. *Paris*, 1902. 8°.

**Munro** (J.) A new Gaelic primer. *Edinburgh*, 7. ed. 12°.

**Stumme** (H.) Arabisch, Persisch und Türkisch in den Gründzügen der Laut- und Formenlehre. *Leipzig*, 1902. 8°.

Webster (N.) Webster's international dictionary. Springfield, Mass., 1902. New ed. f°.

# PRINCIPAL DONORS IN JUNE.

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Entered at the Post Office at New York, N. Y., as second-class matter, January 30, 1897, under Act of July 16, 1894.

I, R.

# BULLETIN

OF THE

# NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

# Volume VI · Number 8 August 1902

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NEW YORK 1902

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# BULLETIN

OF THE

# NEW YORK PUBLIC LIBRARY

## ASTOR LENOX AND TILDEN FOUNDATIONS

Vol. VI. August, 1902. No. 8.

# REPORT FOR JULY.

# REFERENCE DEPARTMENT.

During the month of July there were received at the Library, by purchase, 1,275 volumes and 526 pamphlets; by gift, 815 volumes, 3,060 pamphlets, 34 maps, and 68 prints; and by exchange, 103 volumes and 6,442 pamphlets.

There were catalogued 3,708 volumes and 1,583 pamphlets, for which purpose 7,131 cards were written; also 1,505 slips were written for, and 6,096 cards were received from, the copying machine.

The following table shows the number of readers, and the number of volumes consulted, in both the Astor and Lenox Branches of the Library, also the number of visitors to the Print Department at the Lenox, during the month:

	LENOX.	Astor.	
No. of readers and visitors	3,242	7,950	
No. of readers	2, 158 875	7,950 6,888	
No. of volumes consulted by desk applicants. Daily average	4,509 83	24,591 306	
Number of visitors to Print Exhibit, etc	1,492		

# CIRCULATION DEPARTMENT.

The most popular books for the month were (in non-fiction): Riis's "The Making of an American;" Spencer's "Facts and Comments," and Thompson-Seton's "Wild Animals I have Known;" (adult fiction), Doyle's "The Hound of the Baskervilles," Major's "Dorothy Vernon," and Johnston's "Audrey;" (juvenile fiction), Alger's "Ragged Dick," Clemens' "Huckleberry Finn," and Grimm's "Fairy Tales."

# CIRCULATION STATISTICS.

branches.	CIRCULATION.		NEW	READERS IN READING ROOM.		VOLUMES
	HOME USE.	TOTAL.	REGISTRA- TIONS.	MINORS.	TOTAL.	ACCES- SIONED.
Bond Street	9,872	10,052	138	517	2,380	189
Ottendorfer	15,963	16,537	216	I,375	3,455	110
George Bruce	12,929	14,723	161	1,243	1,794	145
Jackson Square	9,384	10,088	134	296	1,672	70
Harlem	10,424	11,179	167	782	1,514	65
Muhlenberg	8, 366	10,495	105	1,075	2,129	95
Bloomingdale	13,289	14,349	176	996	2,158	79
Riverside	4,126	5,044	83	999	1,774	75
Yorkville	12,672	14, 190	214	1,142	1,518	82
Thirty-fourth Street	4,682	6, 388	72	1,080	1,706	123
Chatham Square	10,112	10,352	150	129	240	185
St. Agnes	9,555	10,833	96	839	2,039	222
Washington Heights	7,744	8,649	148	2,766	5,799	123
Travelling	32,274	32,374				204
	161,392	179,132	1,860	13,239	28, 178	1,767

Among the more important gifts of the month were:—From Hon. W. P. Letchworth, a collection of the Proceedings of the Boards of Supervisors of Counties of the State of New York, in all 228 volumes and 125 pamphlets; from Mrs. Henry Draper, 103 volumes, including 16 American literary annuals and about 1,000 old English almanacs, bound in 81 volumes, from 1665 to 1799, this latter collection supplementing and complementing the collection of 72 volumes of English almanacs between 1700 and 1800, given in April, 1900, by Mr. Paul L. Ford; and from Mr. George H. Boughton, a series of photographs and engravings from his works; a bronze medallion of Robert Browning, and a copy of "Chinese, Japanese and Corean Butterflies," by John Hay Leech.

Other important gifts were: From Mrs. A. H. Boville, 19 miscellaneous volumes; from the British Museum, 6 volumes of catalogues of collections in the Museum; from the Secretary of Agriculture, Industry and Commerce of Cuba, 2 pamphlets relating to the department; from Rev. John A. Dowie, 8 volumes of "Leaves of Healing," and 7 pamphlets; from Mrs. Charles P. Evans, a copy of her late husband's genealogy of the Fox, Ellicott and Evans families, 1882; from the French Consul-General at New York, 13 volumes, 5 pamphlets and 520 periodicals, mainly French documents; from William F. Ganong, a copy of his "Monograph of the Boundaries of the Province of New Brunswick"; from Archer M. Huntington, 5 volumes of facsimile reprints of old Spanish works, namely: Cartilla para enseñar aler a los niños (Pamplona: M. Mares, 1606), Bias contra fortuna, hecho par coplas por el Marques de Satillana (Sevilla: Stanislas, 1502), Glosa a la Obra de Don Jorge Manrique, hecha por Diego Barabona ([Medina del Campo?] Pedro de Castro, 1541), Reportorio de todos los caminos de España... por pero Juan Villuga

(Medina del capo: Pedro de Castro, 1546), La Aravcana de Don Alonso de Erzilla y Gvñiga (Madrid, 1569); from Carl Stoeckel, a copy of volume 1 of the privately printed "Correspondence of John Sedgwick, Major General" (1902); from Miss C. P. Stokes, 5 miscellaneous volumes; from Anson P. Stokes, 1 copy of his "Cruising in the West Indies;" and from the Swedish Central Bureau of Statistics, 23 volumes and 77 pamphlets, publications of the bureau.

The exhibition at the Lenox Branch for the summer is a collection of portraits, caricatures, and reproductions of drawings by and relating to Victor Hugo; and at the Astor, plates from Molinier's "Royal Interiors" and "Das Interieur."

The new picture bulletins at the circulation branches were as follows:—Jackson Square, Independence Day; St. Agnes, Alexander Dumas; Washington Heights, Venice, its history and art; Ottendorfer, Birds and nature, New books, Mrs. Alexander; Muhlenberg, Theodore Roosevelt.

# EDWARD HAND TO JASPER YEATES ON THE SIEGE OF YORKTOWN IN 1781.

Printed from the original manuscript in the Emmet Collection, presented to the New York Public Library by John S. Kennedy.

CAMP BEFORE YORK, 12th Octr. 1781

DEAR YEATES

When I wrote you the 1st Instant I informed you that we had Broken Ground within 8 or 900 yards of the Enemy, this was no more than erecting redoubts to cover our Approaches, and too distant to mount Artilly—the Sixth at night, our first Parralel was run within 600 yards, the 9th Our batteries opend for the first time to the astonishment of the besieged Soldiers who were taught to believe we had no heavy artill? we have now 52 pieces of Heavy Ordnance constantly playing on them which affords awfull musick weh they very faintly return—last night we run our second Parralel within 300 yards of their works undiscoverd as was the first, not a man kild or wounded by the enemy in either of these dangerous & important operations, the American Army has not had so men kild since the commencement of the Siege. The Charon of 44 Guns & two Smaler Vessels were set on fire the night before last by hot shot from one of the French Batteries—and burned to the waters edge-many German and a few British deserters come out-but have little important to discover they are still amused with the expectation—as soon as our Batteries on the Second Parallel are compleated I think they will begin to Squeak—no demand of the Town has yet been made—almost every Thicket affords you the Disagreeable prospects of a Wretched Negroes Carcase brought to the earth by disease & famine—the Poor deluded Creatures were either so much afraid of the displeasure of their owner that they voluntarily starved to death or were by disease unable to seek sustenance-it will be hard if before this month is out, our business be not compleated. we were slow in beginning but now go on with great rapidity.

I beg my duty, love and compliments to all with you & am.

DEAR YEATES

Your affectionate

Kinsman

EDW. HAND.

A few days ago Tarleton who is now on the Gloster Side attacked the Duke de Lauzure's ligeon, the Duke routed him, kil'd the commandant of the Infantry, wounded Tarleton, & Dispersed his Party with the loss of upwards of 50 kild & wounded.

Never did greater harmony subsist between two Armies than between the French & American, their only contentions is who shall do most.

JASPER YEATES, ESQ.

# CHECK LIST OF AMERICAN FEDERAL DOCUMENTS RELATING TO FINANCE IN THE NEW YORK PUBLIC LIBRARY.

A list of foreign financial documents was printed in the BULLETIN, vol. v, pp. 457 to 486.

\*\* This list includes only (I) collections, compilations, etc., of official documents of the United States relating to finance; (II) serial financial documents, i. e., annual, quarterly, monthly reports, etc.

It does not include single reports on financial subjects, either those issued or bound up separately or

those bound in the congressional collected documents.

The single, separate documents are entered in the public index catalogue in the reading-room under the various headings to which they refer, e. g., Bank of the U. S., Banks and Banking, Bimetallism, Bonds, Credit, Crises and Panics, Debt (Public), Exchange of Wealth, Finance (U. S.), Finance (Colonial), Gold (Money), Interest, Money, Money market, Revenue, Revenue (Internal), Securities, Silver (Money), Tariff, Taxation, etc., etc., etc.

Reports on finance bound up in the congressional collected documents, of which the library has no separate copies, are not entered in the index-catalogue. For these the reader must have recourse to the

various indexes and catalogues described below.

INDEXES AND CATALOGUES. The American State Papers [on Finance], 5 vols. F°, may fairly be included here. Very nearly all the documents and reports made to Congress from the first congress to the first session of the twentieth congress (1789-1828) are reprinted in these volumes. Each volume is supplied with a good index.

Poore's Descriptive Catalogue covers the period from 1789 to 1881, and comprises, in one chronological arrangement, with an alphabetical subject index, the titles of all documents and reports from the first

congress to the close of the forty-sixth congress.

The McKee Indexes to Committee Reports comprise, in a classified arrangement under each committee of both the Senate and House, a reference to all reports of that committee from the date of its organization to 1887 that have appeared in the congressional set.

Hickcox's Monthly Catalogue, 10 vols., 1885-90, issued in monthly parts, with an annual index, comprises in an alphabetical arrangement the titles of all documents published by Congress during the month.

The Comprehensive Index, issued by Dr. Ames, covers the period from 1889 to 1893.

In 1895 the publication, from the newly-organized Office of Superintendent of Documents, of the document and monthly catalogues was begun. The Monthly Catalogue has been issued regularly since January, 1895; it comprises all the publications issued by congress and the executive departments since that time. The arrangement is by office of publication. Recently a cumulative index has been added to this series. The Document catalogue comprises, in a dictionary arrangement, all publications of Congress and of the executive departments issued during the period covered by the catalogue. Four such catalogues have been issued, covering respectively the years 1893/5, 1895/6, 1896/7 and 1897/99.

In 1902 an Index to Congressional Documents was published by the Superintendent of Documents, comprising in a classified arrangement references to all documents issued by Congress from the fifteenth

to the fifty-second congress, inclusive (1817-93).

Such congressional documents (exclusive of annual reports) issued from 1815 to 1898 as relate to banking and currency have been collected into volumes and bound. This collection includes: 8 vols. on the Bank of the U. S., viz., 4 vols. of Memorials and Resolutions to Congress from the various states, I vol. of Monthly Statements of the Bank of the U. S. (1825-36), 2 vols. of Special Treasury Reports, I vol. of Miscellaneous Documents; 2 vols. of a Collection of Documents on National Banks (1815-94); I vol. on Deposit Banks (1834-47); I vol. on Banks and Banking in the District of Columbia (1816-62); and I vol. of Miscellaneous Documents on Banks and Banking. Relating to coinage and currency the collection includes: 2 vols. of Documents relating to the U. S. Mint (1818-93); I vol. on Coins and Coinage (1818-98); I vol. on Currency (1819-98); and I vol. on Monetary Commissions. Each one of these volumes of collected documents is supplied with a manuscript index, and a collective entry for it is filed in the index catalogue.

# ARRANGEMENT:

CONTINENTAL CONGRESS (1774-1789). CONTINENTAL CONCRESS (1774-1789).
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I. COLLECTED WORKS.
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INTERNAL REVENUE (1862).
ENGRAVING AND PRINTING (1862).
COMPTROLLER OF THE CURRENCY (1863).
LOANS AND CURRENCY (1875).
BOOKKEEPING AND WARRANTS (1875).
BANKING AND CURRENCY HEARINGS.

United States.—Congress (Continental). A statement of the accounts of the United States of America, during the administration of the Superintendent of Finance, commencing with his appoint
1784. Philadelphia: Printed by Robert Aitken, 1785. x pp., 107 ll. F°.

ment, on the 20th day of February, 1781, and ending with his resignation, on the 1st day of November,

—— Reports of the Treasury Board. A. 488 pp. MS.  $4^{\circ}$ .

A volume so lettered on its front cover. Contains the official records on the auditing of claims and other matters from April 25, 1785, to September 28, 1787, mostly in the handwriting of Walter Livingston, one of the commissioners of the board. The volume is deposited in the Lenox building.

# United States .- Congress (Federal).

## COLLECTED WORKS.

# Indexes and General Publications.

An index of bills presented in the House of Representatives from the 1st to the 42d Congress inclusive, relating to banks, currency, public debt, tariff and public taxes... Prepared under the direction of Edward McPherson. Washington: Govt. Prig. Office, 1875. 183 pp. 8°. (43 Cong., 2 sess., H. misc. doc. 92.)

- American state papers. [Relating to finance; 1789–1828. I Cong. to 20 Cong., 1 sess.] Washington: Gales and Seaton, 1832–59. 5 v. F°.
- —— Statement of appropriations and expenditures, civil and miscellaneous, of the Department of State, from March 4, 1789, to June 30, 1876. Washington: Govt. Prig. Office, 1877. 113 pp. 4°. (44 Cong., 2 sess., S. ex. doc. 38.)
- UPTON (J. K.) Wealth, debt and taxation. Washington: Govt. Prtg. Office, 1892-95. 2 v. 4°. (Census Office. 11 Census.)
  - v. 1 Public debt; v. 2 Valuation and taxation.

# Currency and Coinage.

- Laws of United States relating to loans and the currency [since 1860], including the coinage acts. Washington: Govt. Prtg. Office, 1878. xi, 271 pp. 8°.
- Laws of United States relating to loans and the currency. Suppl. 1. July 19, 1878, to March 3, 1881. Washington, 1881. 12 pp. 8°.
- Laws of United States relating to loans and the currency, coinage and banking. *Washington*, 1886. xiii, 459 pp. 8°. (49 cong., 1 sess. S. ex. doc. 226.)
- A brief history of coinage legislation in the United States. *Washington*, 1891. 20 pp. 8°. (Treas. Dept.)
- —— Coinage laws of the United States, 1792 to 1894, with an appendix of statistics relating to coins and the currency. Ed. 4. Revised and corrected to Aug., 1894. Washington, 1894. viii, 847 pp. 8°.
- Laws of the United States relating to coinage. Washington, 1895. 86 pp. 8°. (Treas. Dept.)
- —— DE KNIGHT (W. F.) History of the currency of the country and of the loans of the United States from the earliest period to June 30, 1896. Washington, 1897. 238 pp. 4°.
  - Same. ed. 2. 1900. 277 pp. 4°.

# Internal Revenue.

- Laws of the United States relative to direct taxes. Washington: Gales and Seaton, 1813. 72 pp. 8°.
- Laws and resolutions relating to the direct and excise taxes. Washington, 1863. 151 pp. 8°.

- Laws relating to internal revenue in force Aug. 1, 1866, except where otherwise specially provided . . . Washington, 1866. x, 159 pp. 8<sup>b</sup>.
- Laws of the United States relating to internal revenue, comprising the act of June 30, 1864, as amended by subsequent acts, including the act of March 26, 1867. Washington, 1867. viii, 166 pp. 8°.
- Same. Washington, 1867. viii, 166, 79
- Collection of circulars and specials, issued by the Office of Internal Revenue, to Jan. 1, 1871. Washington, 1871. 334 pp. 8°.
- —— Compilation of internal revenue laws...in force after the act of June 6, 1872. Washington, 1873. xix, 203 pp. 8°.
- —— Internal revenue laws... as amended... March 4, 1879, with an appendix. Washington, 1879. xviii, 213 pp. 8°. (Internal Revenue Office.)
- Internal revenue laws in force July 1, 1889, with an appendix containing laws of a general nature and miscellaneous provisions applicable to the administration of the internal revenue laws. Washington, 1889. 316 pp. 8°. (Internal Revenue Office.)
- Reprint of the internal revenue laws, 1861–1873. *Washington*, 1898. 549 pp. 8°. (55 cong., 2 sess., S. rpt. 1123.)
- Internal revenue laws in force Jan. 1, 1900, with an appendix containing laws of a general nature and miscellaneous provisions applicable to the administration of the internal revenue laws. Washington, 1900. 471 pp. 8°. (Internal Revenue office.)

## Loans.

BAYLEY (R. A.) The national loans of the United States from July 4, 1776, to June 30, 1880. Washington, 1881. 197 pp. 4°.

# Tariff.

PROCTOR (R. G.) Tariff acts passed by the congress of the United States from 1789 to 1887, including all acts, resolutions and proclamations modifying those acts. *Washington*, 1898. 689 pp. 4°. (55 cong., 2 sess. H. doc. 562.)

MICHAEL (W. H.), and PULSIFER (Pitman). Tariff acts passed by the congress of the United States from 1789 to 1895, including all acts, resolutions and proclamations modifying or changing those acts. Washington, 1896. 588 pp. 4°. (54 cong., 1 sess., S. doc. 219.)

— Foreign tariffs. Discriminations against the importation of American products. Washington, 1884. 576 pp. 8°. (48 cong., I sess., S. rpt. 551.)

# PERIODICAL REPORTS.

The third executive department to be created by law under the constitution was denominated the Department of the Treasury. The act establishing the department was passed Sept. 2, 1780, and may be found in full in the Rev. Statutes, v. r. The general laws applicable to the Treasury Department, and the laws defining the duties of the secretary of the treasury, the assistant secretaries, and the heads of bureaus and offices of the department may be found in extense in the Rev. Statutes, ed. 2, 1874–97, and Statutes at Large, v. s7, 1891–93, and the volumes following. A succinct declaration of the duties devolving upon the incumbent of the office of secretary of the

treasury and upon his subordinates is given in each edition of

treasury and upon his subordinates is given in each edition of the Congressional Directory.

The offices, bureaus, etc., of the federal government controlling to-day the administration of its financial affairs are in order of organization as follows: offices of secretary of the treasury, of the treasurer, of the comptroller, the auditor and the register, organized in 1783; bureau of the mint, organized 1701; offices of the second comptroller, and of the second to the fifth auditors, organized in 1837; office of the sixth auditor, organized in 1836; office of the commissioner of internal revenue, and bureau of engraving and orining, organized. internal revenue, and bureau of engraving and printing, organized in 1862; divisions of loans and currency and of warrants,

ized in 1862; divisions of loans and currency and of warrants, estimates and appropriations, organized in 1875.
The federal fiscal year, until 1842, ended September 20. On August 26, 1842, Congress passed a bill changing the commencement of the fiscal year from October 1 to July 1. The bill was introduced by Senator Evans [Me.], June 23, 1842, having been first recommended by Senator Woodbury [N. H.] in 1834, when officiating as Secretary of the Treasury. The bill is printed in full in the Congressional Globe, 2 sees. 27 Cong., p. 675. In Mr. Woodbury's first recommendation for a change in the fiscal year in his annual report of 1834, the closing date is fixed on March 31, which was afterwards changed in the bill to June 30. President Van Buren in his message of Dec. 5, 1837, refers approvingly to the recommendation, saying, "it has been frequently recommended." The annual revenue had heretofore been estimated quarterly on the quarters of the calendar year, and, being presented to congress in revenue had heretofore been estimated quarterly on the quarters of the calendar year, and, being presented to congress in accordance with law at the opening of each seasion, the certified official information was published, it will be seen, almost a year in arrears. The receipts for the current year could definitely be reported only for the first three quarters, for the last quarter an estimate being submitted. Levi Woodbury in Note M appended to his annual report for 1839, urging a change in the fiscal year, says: "The keeping and understanding of our public accounts of receipts and expenditures and of foreign trade and tonnage, would likewise be much simplified if the year for all of them were made to begin at the same time, and to correspond with the calendar year." (Italics compiler's.) (Italics compiler's.)

# Secretary of the Treasury.

## (1789 - .)

The serials relating to finance issued from the office of the secretary of the treasury are as follows: Annual report on finances, Circulars, Decisions, Synopsis of decisions, Annual report on the condition of banks, and monthly statement of public debt.

[Annual report of the secretary of the treasury on the state of the finances.]

In addition to the House and Senate editions formerly issued of these reports, there are several years for which

issued of these reports, there are several years for which supplementary reports were made, and years, 1837 and 1841 for instance, in which two reports, not supplementary, were made. It is difficult to account for these reports in other than an itemized check list, which this is not. The "Document Index," recently issued by the Superintendent of Documents, makes individual reference to these reports.

There are of these reports three department editions described below, two preliminary editions, and the final edition, the latter being, in recent years, the report of the secretary with accompanying tables, and reports of chiefs of divisions. This final edition is the only one appearing in the congressional set of documents. The report as it appears in the "Abridgment, etc.," contains selections only from the reports of chiefs of divisions. Reports of the following bureaus, under the Treasury Department, are not now included in the final edition of the annual finance report, viz.: Coast and Geodetic Survey, Freedman's Savings and Trust Company, Immigration Bureau, Life-Saving Service, Light-House Board, Marine Hospital Service, Navigation Bureau, Revenue Cutter Service, Steamboat Inspection Service, Supervising Architect.

vising Architect.
A list of Secretaries of the Treasury from 1789 to 1896 is given in the Senate Manual, edition of 1896.

# [Originals.]

Letter from the secretary of the treasury . . . in pursuance of the act, entitled "An Act to establish the Treasury Department" [later, Annual report of the secretary, etc., as above], 1803, 1805, 1807, 1809-1901. Washington [1809-]1901. 8°.

—— Same. Separate, or preliminary, issue. Edition 1. 1839, 1847, 1860, 1862-72, 1874-83, 1885-97. Washington [1839-]97. 8°.

- Edition 2. 1870, 1872-84, 1891-92, 1895, 1897. Washington, 1870-97. 8°

The first edition of these separates comprises the secretary's report only, and, as a rule, is paged in roman numerals, the second edition is made up of the secretary's report and accompanying tables, and is paged in roman and arabic numerals, respectively. The first two editions of the secretary's report do not appear in the congressional set of documents.

# [Reprints.]

— Reports of the secretary of the treasury [1790-1849]... prepared in obedience to the act of May 10, 1800, supplementary to the act, entitled "An Act to establish the Treasury Department." To which are prefixed the reports of Alexander Hamilton, on public credit, a national bank, manufactures, and the establishment of a mint.

Washington, 1837-51. 6 v. 8°.
v. 1-3 prtd. by Blair & Rives, 1837; v. 4-6 prtd. by John C. Rives, 1851. This collection includes, in addition to the annual reports on the finances, the various special reports made by the several secretaries from 1790 to 1849.

- Annual report of the secretary on the condition of banks in the United States, 1833-1863. n. t. p., Washington, 1859-63. 8°. (In: Congressional documents.)

- Same. Separate, 1833, 1836, 1838, 1847-48, 1850, 1853-54, 1857-63. n. t p., Washington, 1859-63. 8°.

Made in pursuance of House Res. of July 10, 1832. Discontinued in 1863.

- Circulars of the treasury department, 1863-1901, and current. Washington, 1863-1901. 4°. From 1863 to 1898, inclusive, file is imperfect.

- Synopsis of decisions of the treasury department and board of general appraisers on the construction of tariff, immigration and other laws, 1857-65, 1868, 1870-81, 1883-97. Washington, 1857-97. 8°.

— Index, 1890–95. 1896. cccix pp. 8°.

Continued as:

Treasury decisions under tariff and internal revenue laws, v. 1-2 of 1898. Washington, 1898. 8°.

- Same, v. 1-4, 1899-1901, and current. Washington, 1899-1902. 8°.

- Statement [monthly] of the public debt and of the cash in the treasury, Jan., 1869-Dec., 1881, July, 1882, April-May, 1883, Aug.-Dec., 1884, Jan., Feb., 1885, May, 1892-May, 1902. n. t. p.

- Statement [daily] of the U.S. Treasury. Cash in the Treasury, 1898-1902. F°. Sheets. 1898-1901 incomplete.

# Treasurer.

# (1789-

Created by act of Sept. 2, 1789. The serials relating to finance issued from the office of the treasurer are as follows:
Annual report of the treasurer, Annual report on the sinking fund, etc., of the District of Columbia, Accounts of the treasurer.

Annual report of the treasurer, 1853-1901. n. t. p. 8°. (In. Annual report on the finances.)

- Same. Separate, 1868-71, 1874-75, 1877-78, 1881, 1884-89, 1891-97, 1899-1901. Washington, 1868-1901. 8°. ton, 1868-1901.

The practice of submitting an annual report for insertion in the annual finance report appears to have been inaugurated with the 1853 report.

— Annual report [1-9] on the sinking fund and funded debt of the District of Columbia, 1878-86. n. t. p. 8°. (In: Annual report Comrs. of the D. C.)

- Same. Separate, 18, 21, 23-24, 1895, 1898, 1900-1901. Washington, 1895-1901. 8°.

By act of June 11, 1878, the office of the sinking fund commissioners of the D. C. was abolished, and the powers and duties of the commissioners were transferred to the office of treasurer of the U.S. After 1886 these reports do not appear to be included in the District commissioners' reports.

- Annual statement of the accounts of the treasurer, 1799-1800, 1819-90. n. t. p. 8°. (In: Congressional documents.)

- Same. Separate, 1820, 1825-26, 1834, 1836-40, 1843-44, 1846-49, 1853-62, 1884, 1886. n. t. p. 8°.

Discontinued.

- Statement [monthly] of paper currency of each denomination outstanding. 1900-1902, obl. 24°. Sheets.

1900 incomplete.

## Comptroller of the Treasury.

Office created by virtue of act of Sept. 2, 1780. When, in 1817, the appointment of second comptroller took place, the former comptroller became "First comptroller," and continued to be so styled, until Oct. 1, 1804, when by virtue of the legislative, executive and judicial appropriation act of July 31, 1804, the office of second comptroller was abolished, pursuant to the proposals of the Dockery Commission. An account of the powers and duties of the office of comptroller as at present constituted may be found in the Congressional Directory. The serials relating to finance issued from the office of comptroller are: Annual report, Unsettled balances, Decisions.

# [First Comptroller.] (1789-1894.)

Annual report of the first comptroller, 1853-93. n. t. p. 8°. (In: Annual report on the finances.) - Same. Separate, 1879-93. Washington, 1879-93. 8°.

Merged, in 1894, with second comptroller, and continued as comptroller; see below.

- Decisions of the first comptroller of the treasury (Lawrence), v. 1-6. 1880-85. Washington, 1881-86. 8°. (In: Congressional documents.)

- Same. Separate, v. 3-6. 1882-85. Washington, 1882-85. 8°.

In the congressional set vols. x and 2 are of the 2d ed. Vol. x contains a table of first comptrollers from 1789 to 1880. Vol. 3 contains, in the introduction, an elaborate statement of the extent of the jurisdiction of the office of first comptroller.

- Decisions of the first comptroller of the treasury (Bowler), May, 1893, to Sept., 1894. Washington, 1895. xiv, 351 pp. 8°.

These volumes comprise all the published decisions of the comptroller of the treasury up to this time. Publication was continued after Oct., 1894, by the reorganized comptroller's office; see below.

Unsettled balances, 1808-1841. Washington, 1809-41. F° and 8°.

# [Second Comptroller.] (1817-1894.)

Office created by virtue of act of March 3, 1817. Merged, pursuant to legislative, executive and judicial appropriation act of July 31, 1894, with office of First comptroller, and continued as Comptroller; see below.

Annual report of the second comptroller, 1853-93. n. t. p. 8°. (In: Annual report on the finances.)

- Digest of decisions of the second comptroller, 1817-94. v. 1-4. Washington, 1865-99.

v. 1, 1817-1865. ed. 2. By John M. Brodhead. Compiled by George Chipman; continued by J. W. Butterfield. do. ed. 3. 1817-69. Compiled by J. W. Butterfield. v. 2, 1869-

1884. By William W. Upton. Compiled by R. G. Mitchell. v. 3, 1884-1893. By B. F. Gilkeson. Compiled by J. Q. Kern. v. 4, 1893-1894. By F. H. Morris. Compiled by J. Q. Kern. These digests, referring to the manuscript volumes of decisions in the 2d comptroller's office, are all that have been published.

# [Comptroller.]

Annual report of 'the comptroller, 1894-1901. n. t. p. 8°. (In: Annual report on the finances.) - Same. Separate, 1894-97. Washington,

1894-97. 8°.

Decisions of the comptroller of the Treasury, Oct. 1, 1894-July 1, 1901. v. 1-7. Washington, 1896-1901. 8°.

# Register of the Treasury.

(1789-

Office created by virtue of act of Sept. 2, 1789.

Annual report of the register, 1853-1901. n. l.p. 8°. (In: Annual finance report.)

- Same. Separate, 1869, 1874-76, 1879, 1881, 1884-85, 1887-88, 1890, 1893, 1896. Washington, 1869-96. 8°.

 Account of the receipts and disbursements of the government, 1793, 1807, 1815-90. n. t. p. F° and 8°. (In: Congressional documents.)

- Same. Separate, 1825, 1827, 1833, 1842, 1845-49, 1852-53, 1856, 1858, 1860, 1862-63, 1866, 1868-73, 1876-80, 1883-84, 1887. Washington, 1825-87. 8°.

From 1797 to 1814 the "Accounts of receipts and expendi-ires" are bound with the "Estimates of appropriations." tures" are bound with the "Estimates of appropriations." In 1815, again in 1810, 1820, 1832, 1837, 1857, a combined statement of receipts and disbursements was printed in the congressional documents. The "Accounts of receipts and expenditures" ceased publication in 1800, and their preparation was discontinued by order of the secretary, pursuant to act of Feb. 9, 1804. The act of July 31, 1804, first required the transmission to Congress of the "Combined statement of receipts and expenditures," prepared in the Division of Bookkeeping and Warrants; see below.

# Auditor.

#### (1789 -.)

Office created by virtue of act of Sept. 2, 1789. When, in 1817, the creation of the offices of the second to fifth auditors was authorized, the former auditor became first auditor. In 1836 a sixth auditor was authorized. Until Oct. 1, 1894, these officials continued to be the first to sixth auditors, respectively; on that date their titles were changed to include the names of the specific department, the auditing of whose accounts was assigned to them. The change resulted as follows

First Auditor of the Treasury, 1789-1894; became, Oct. 1, 1894, Auditor for the Treasury Department.
Second Auditor of the Treasury, 1817-1894; became, Oct. 1.
1894, Auditor for the War Department.

1894, Auditor for the War Department.

Third Auditor of the Treasury, 1817-1894; became, Oct. 1, 1894, Auditor for the Interior Department.

Fourth Auditor of the Treasury, 1817-1894; became, Oct. 1, 1894, Auditor for the Navy Department.

Fifth Auditor of the Treasury, 1817-1894; became, Oct. 1, 1894, Auditor for the State and other Departments.

Sixth Auditor of the Treasury, 1836-1894; became, Oct. 1, 1894, Auditor for the Post Office Department.

# [Auditor for the Treasury Department.] (Formerly 1st auditor.)

Annual report of the auditor for the treasury department, 1853-1901. n. t. p. 8°. (In: Annual finance report.)

- Same. Separate, 1869-71, 1880, 1888, 1883. Washington, 1869-93. 8°.

# [Auditor for the War Department.] (Formerly 2d auditor.)

Annual report of the auditor for the war department, 1853-1901. n. t. p. 8°. (In: Annual finance report.)

Same. Separate, 1867-71, 1873, 1886, 1898. Washington, 1867-88. 8°.

# [Auditor for the Interior Department.] (Formerly 3d auditor.)

Annual report of the auditor for the Interior Department, 1853-1901. n. t. p. 8°. (In: Annual finance report.)

- Same. Separate, 1870-71, 1887-88, 1896. Washington, 1870-96. 8°.

# [Auditor for the Navy Department.] (Formerly 4th auditor.)

Annual report of the auditor for the navy department, 1853-1901. n. t. p. 8°. (In: Annual finance report.)

— Same. Separate, 1869-71, 1873, 1888. Washington, 1869-88. 8°.

# [Auditor for the State and other Departments.] (Formerly 5th auditor.)

Annual report of the auditor for the state and other departments, 1853-1901. n. t. p. 8°. (In: Annual finance report.)

— Same. Separate, 1868-70, 1875, 1885, 1887, 1888. Washington, 1868-88. 8°.

- Same. Supplement [to report], 1870. Washington, 1870. 8°.

- Circulars, 1-11. 1864-71. Washington, 1864-71. 4°.

# [Auditor for the Post Office Department.] (Formerly 6th auditor.)

Annual report of the auditor for the post office department, 1841-1901. n. l. p. nual report Postmaster General.) 8°. (In: An-

- Same. Separate, 1895. Washington, 1895 8°

A condensed report by the sixth auditor is also included in the annual finance report.

# Mint.

(1791-.)

A joint resolution of March 3, 1791.

A joint resolution of March 3, 1791, provided for the establishment of a mint, and for the appointment by the President of "artists . . . [who] shall . . . carry the . . . resolution into effect." The mint was regularly established, and a director, assayer, coiner, engraver, etc., appointed by virtue of an act passed April 2, 1792.

Annual report of the director of the mint for 1798, 1800-1804, 1806-7, 1809-1901. n. t. p. 8°. (In: Congressional documents, and Annual finance report.)

Same. Separate, 1815-16, 1821, 1824-30, 1834-42, 1845-56, 1869, 1874-1901. Washington, [1815-]1901. 8°.

The bureau edition, here referred to as "separate," includes tables not published in the congressional edition. The early years are separates of the congressional set. With the reorganization of the mint of the United States as a bureau of the Treasury Department, pursuant to act of Feb. 12, 1873, the annual reports of the director were referred to by number in the letter of transmittal. The report for 1901 is the 29th.

· Annual report of the director [of the] Philadelphia branch, 1848, 1861, 1864, 1870-72. [Washington,] Philadelphia, [1848-]72. 8°.

- Report of the director of the mint upon the statistics of the production of the precious metals. 1879-93, 1895-96, 1898-1900. Washington, 1880-1901. 8°.

- Same, 1880-89, 1891-1900. Washington, 1881-1901. 8°. (In: Congressional documents.)

# Commissioners of the Sinking Fund.

In 1702 three commissioners of the fund created for the re-demption of the debt were named; this fund was, by act of March 3, 1795, first denominated the sinking fund by law. By the act of July 4, 1836, the duties and powers of the commis-sioners were suspended until revived by law.

Annual report of the commissioners of the sinking fund, 1792-1835. Philadelphia, [Washington, 1792-]1835. F° and 8°. (In: Congressional documents.)

— Same. Separate, 1818, 1820-21, 1823-26, 1828-33, 1835. [Washington, 1819-36.] 8°.

# Internal Revenue Office.

(1862-.)

Office created by virtue of act July 1, 1862.

Annual report of the commissioner of internal revenue, 1863-76, 1879-1901. Washington, 1864-1901. 8°.

- Same, 1866-1901. Washington, 1867-1901. 8°. (In: Congressional documents.)

- Same. Separate, 1865-66, 1869-70. Washington, 1865-70. 8°.

An edition of the annual report without tables is also included in the annual finance report.

— [Regulations.] Series 1, no. 1-5, 1862-April, 1863; ser. 2, no. 1-11, Jan., 1866-Feb., 1867; ser. 3, no. 1, 4-5, 9-10, 12-14, March-Oct., 1867; ser. 4, no. 1, 4-5, 7-8, Jan.-Nov., 1868; ser. 5, no. 2, 5, 7-10, Feb.-Oct., 1870; ser. 6, no. 14, 1872, 1 Jan., 1871; ser. 7, no. 1-20, 22-26, June, 1893-April, 1901. Washington, [1862-]1901. 8°.

This collation does not include the revisions of and supplements to the various regulations.

— Special [circulars]. nos. 1-23, 25, 27-29, 31-34, 36-48, 50, 52-92. 1864-71. Washington, 1864-71. 4°.

- Decisions. nos. 1-99, 101-107, 111-112, 118, 120, 123-124, 126-129, 131-176. (1862-70.) Washington, 1862-70. 4°.

Compilation of decisions rendered by the commissioner . . . under the war-revenue act of June 13, 1898. v. 1-2, 4 (1898-99, 1901). Washington, 1899-1902. 8°.
These relings are reprinted from the weekly edition of the Treasury Decisions.

#### Engraving and Printing Bureau. (1862-.)

Office created by virtue of act of July 11, 1862.

Annual report on the operations of the bureau, 1875, 1881, 1884, 1889, 1894-95. Washington, 1875-95. 8°.

In recent years this report is included in the annual finance report.

#### Comptroller of the Currency. (1863-.)

A bureau, of which the chief officer is the comptroller of the currency, was established in the treasury department by virtue of act of Feb. 25, 1863, and act of June 3, 1864.

Annual report of the comptroller of the currency, 1865-1901. Washington, 1866-1901. 8°. (In: Congressional documents.)

- —— Same. Separate [bureau edition], 1866—1901. Washington, 1867—1901. 8°.
- —— Same. Separate [of bureau edition], 1865-67, 1869-70, 1873-83, 1885, 1891, 1895-99. Washington, [1865-]99. 8°.
- —— Bulletin. nos. 3-5, 7-16, 20-41, 52-53, 57-90, 108-204, 207, 209-10, 214, 216, 220, 227-28, 233-34, 236-37, 246-65, 267-96, 298-482. Washington, 1893-1902, and current. 4°.
- Abstract of the reports on the condition of national banks, June, 1900-March, 1902. Sheets. 4°. Issued five times a year.
- —— Statement [monthly] showing the amount and denomination of national bank notes outstanding . . . , 1900–1902. obl. 8° sheets.

# Loans and Currency Division.

(1875- .)

Office created by virtue of act of March 3, 1875.

Circulation statement [monthly], July, 1902.
obl. 8° sheet.

# Bookkeeping and Warrants Division.

(1875- .)

Office created by virtue of act of March 3, 1875. Formerly called "Division of Warrants, Estimates, and Appropriations."

Estimates of appropriations, 1790, 1792-1800. 1802-1804. 1806, 1808-1813, 1815-1902. New York, Washington, 1789-1900. F°, 4° and 8°. (In: Congressional documents.)

- —— Same. Separate, 1818-19, 1821, 1824-25, 1827-29, 1831-36, 1838-40, 1842, 1844, 1846, 1850, 1851, 1856, 1861-62, 1864, 1866, 1871-73, 1883, 1808-1900, 1902. Washington, 1817-1900. 4° and 8°.
- —— Statement [daily] of the condition of the treasury, 1898-1902. F<sup>5</sup>. Sheets.

  1898-1901 incomplete.
- —— Comparative statement [monthly] of the receipts and expenditures, 1900–1902. obl. 8°. Sheets. 1900 incomplete.

# Banking and Currency Committee.

Hearings and arguments before the committee, 53 cong., 1 sess., to 55. cong., 2 sess., 1893, 1894, 1896/7-97/8. *Washington*, 1893-98. 8°. Hearings during 3 sess., 53 cong., 1894, are on H. R. 8149.

# CHECK LIST OF UNITED STATES STATE DOCUMENTS IN THE NEW YORK PUBLIC LIBRARY RELATING TO FINANCE.

\*\* All titles here noted are located in the Astor branch. Collected editions of state documents, as a rule, have been analysed only for serial financial reports. A list of foreign financial documents was printed in the Bulletin, December, 1901, volume 5, pages 457 to 486.

# Alabama.

Owen's "Bibliography of Alabama," in the annual report of the American Historical Association for 1897 contains a bibliography of the serial and other financial publications of Alabama

# Periodical.

[Report of the auditor.] Biennial report of the controller of public accounts... for the years 1858 and 1859, to the General Assembly. Montgomery, 1859. 8°.

# Title changes to:

Annual report of the state auditor for the fiscal year ending Sept. 30, 1869-1901. Montgomery, 1869-1901. 8°.

The office of controller of public accounts was created by the constitution of 1819. The reconstruction constitution, 1868, changed the name of the office to auditor.

The report for 1869 contains appendices comprising the re-

ports for 1867-68.

From 1872-04 the reports of the auditor contain reports on the insurance companies authorized to do business in the state; these reports appear to have been discontinued after 1896.

From 1882-07 auditor's report contains reports on railroad companies, and from 1885-07 on railroad and telegraph companies authorized to do business in the state. These reports ap-

nies authorized to do business in the state. These reports appear to have been discontinued after 1867.

Auditor's report for 1898 contains first statement on guarantee companies, and report for 1896 the first statement on mutual ald associations authorized to do business in the state.

The annual reports for 1897 and 1888 are issued under one cover bearing the title, "Biennial report for the fiscal years ending Sept. 30, 1887 and 1888."

- Annual report of the treasurer for the fiscal year ending Sept. 30, 1867-71, 1874, 1876-77, 1880-82, 1884, 1886, 1888-98. Montgomery, 1869-98. 8°.

Reports for 1867-69 in one volume.

# Non-Periodical.

- An act to establish a branch of the bank of the State of Alabama in the Tennessee valley; and to create a state loan of one million dollars. [Nov. and Dec., 1832.] New York: J. and J. Harper, prtrs., 1833. 8, 11-32 pp. 8°. Imperfect copy.
- [Schedule of prices, issued by the board of commissioners for impressments, and dated June 1, 1864, to continue in effect until August, 1864, presenting the minimum prices for all articles, including labor, appraised at all cities and places of sale in the state.] [Monlgomery, 1864.] Broadside.
- [Revenue laws... passed 1868/9.] n. t. p. 58 pp. 8°.
- Report of the judiciary committee to whom was referred the "resolution of inquiry" into alleged "illegal use," or unlawful application of the public money . . ." Montgomery : J. G. Stokes & Co., state prtrs., 1870. 7 pp. 8\*.

- Special message of Gov. W. H. Smith to the General Assembly . . . Jan. 10, 1870. Montgomery: J. G. Stokes & Co., state prtrs., 1870. 16 pp. 8°.
- Relates to a suit instituted in the U.S. Court for Middle District of Ala., restraining the collection of tax assessed upon the Southern Express Co. by the laws of Ala.
- --- Report of the auditor . . . upon the present condition of the "three per cent. fund" . . . [Jan. 4, 1871.] Montgomery, 1871. 12 pp. 8°
- Report of Messrs. Lehman, Durr Co., financial agents of the state of Alabama, to the Governor. Montgomery: W. W. Screws, state prtrs., 1871. 8 pp. 86.
- Report of the committee to examine the offices of the auditor and treasurer. [March 13, 1875.] Montgomery: W. W. Screws, state prtr., 1875. (1), 6 pp. 8°.
- Report of the committee on the contingent fund and other irregularities in the state government. [March 18, 1875.] Montgomery: W. W. Screws, state prtr., 1875.
- Revenue laws . . . passed by the General Assembly at the session of 1874/5; with index and general instructions by the auditor. Montgomery, 1875. 82 pp. 8°.
- Report of the commissioners to adjust and liquidate the indebtedness of the state of Alabama. Montgomery: W. W. Screws, state prir., 1876. 38 pp. 8°.
- Same [with report of the joint committee of the General Assembly]. Montgomery: Barrett & Brown, state prtrs., 1879. 47 pp. 8°.
- A bill to carry into effect the plan recommended by the commissioners of Mobile for the adjustment and settlement of the debts of the late city of Mobile, as the result of their negotiations with its creditors. n. p. [188?] (1), 33 pp. 8°.
- Reports of James W. Lapsley, appointed to examine the accounts of the various state officers . . . Montgomery: W. D. Brown, state prirs., 1884. 58 (1) pp. 8°.
- Same. Montgomery: Barrett & Co., state prtrs., 1886. vi, 178 pp. 8°.
- Report of James A. Reeves, examiner of public accounts of the various state officers, for the years 1887-90. Montgomery: Brown Prig. Co., state prirs., 1890. 288 (1) pp. 8°.
- Revenue code. 1896/7. *Montgomery*, 1897. 160 pp. 8°.

Arisons. Biennial report of the territorial auditor for the fiscal year ended Dec. 31, 1890-98. Prescott, Phoenix, 1891-[99]. 8°.

— Biennial report of the treasurer of Arizona for the fiscal year ended Dec. 31, 1894, 1898, and for the 18 months ended June 30, 1900. *Phoenix*, 1895-[1900]. 8°.

By act no. 28 of the 20, legislative assembly [Jan.-March, 1899], the fiscal year ends June 30.

#### Arkansas.

A list of territorial and state auditors and treasurers of Arkansas, with terms of service, is in the annual report of the Secretary of State for 1890.

#### Periodical.

Biennial report of the auditor for the fiscal period ending Sept. 30, 1854-58, 1888-92, 1898. *Little Rock*, 1854-98. 8°. (In: Message and Documents, etc.)

- Biennial report of the treasurer for the fiscal period ending Sept. 30, 1854-58, 1888-92, 1898. Little Rock, 1854-98. 8°. (In: Message and Documents, etc.)
- Same. Separate, 1858, 1870-82, 1888-92, 1896-1900. Little Rock, 1858-1900. 8°.

The report for 1892 is from Jan. 17, 1891, to Oct. 1, 1892. R. B. Morrow, state treasurer, took office Jan. 17, at which time the adjudication of the accounts of his predecessor was pending in the courts.

#### Non Periodical.

- Quarterly reports [from Oct. 1, 1852, to March 31, 1854] of C. C. Danley, auditor of public accounts of . . . Arkansas, made to the Governor, and the proceedings of the Pulaski Circuit Court requiring him to make them. Little Rock, 1854. 37 pp. 8°. (In: Message and Documents, 1854.)
- Report for 1857/8 of the financial receiver of the bank of the state of Arkansas, made to the Governor. [Little Rock: Johnson & Yerkes, state printers, 1858.]. 7 pp. 8°.
- Report of the auditor showing the amount of public debt on account of the state and real estate banks of Arkansas... Little Rock: J. G. Price, state prtr., 1868. 57 pp. psp. 8°.
- —— Debates and proceedings [March-April, 1869] on the bill entitled An Act to provide for the funding of the public debt... in the House of Representatives... Little Rock, 1869. 104 pp. 8°.

# California.

A list of treasurers and controllers of the state, with terms of service from 1849 to 1899, is given in the state blue-book for 1800.

## Periodical.

Annual report [4-16] of the board of bank commissioners for the year ending Dec. 31, 1881-82, June 30, 1884-94. Sacramento, 1882-94. 8°. (In: Appendix to Journals.)

- —— Same. Separate [1, 5-8, 11-18, 21] 1879, 1883-86, 1889-96, 1899. Sacramento, 1879-99. 8°. The commission was created by law of March 30, 1878.
- Semi-annual report of the bank commissioners to the governor for the six months ending

- June 30, 1882, June 30, 1883. Sacramento, 1882-83. 8° (In: Appendix to Journals.)
- —— Reports of the board of equalization, 1872/3, 1875/7-93/4. Sacramento, 1873-94. 8°. (In: Appendix to Journals.)
- ---- Same. Separate, 1880-87/8, 89/90, 1891/2-93/4, 97/8. Sacramento, 1880-99. 8°.
- First report was made in 1871, and continued biennially thereafter, except for 1880 and 1891, when annual reports were submitted.
- Report of the controller for the 1-24, 27-30, 32-45 fiscal years ending June 30, 1850-73, 1875-77, 1881-94. n. t. p., Sacramento, 1894. 8°. (In: Appendix to Journals.)
- —— Same. Separate, 23-24, 29-51 fiscal years, 1871-73, 1877-1900. Sacramento, 1873-1900. 8°.

  Made annually to 1863, biennially from 1865, except for the
- year 1880.

  Report of the treasurer for the 1-3, 5-45 fiscal
- years ending June 30, 1850-52, 1854-94. \*\*. !. p., Sacramento, 1894. 8°. (In: Appendix to Journals.)
- —— Same. Separate, 23-33, 36-37, 40-49 fiscal years 1871-82, 1884-86, 1888-98. Sacramento, 1873-99. 8°.

Made annually to 1863, biennially from 1865, except for the year 1880.

## Non-Periodical.

The appendices to the journals have been indexed by the library, and reports relating to finance, banking, public debt, etc., included in the appendices, are entered under their subject headings in the index-catalogue of the library.

- Revenue laws of the state, embracing all laws relating to the revenue, in force, together with rules and regulations of the board of equalization for the government of assessors. Sacramento, 1881. 127 pp. 8°.
- Revenue laws of the state in force on March 23, 1885. Sacramento, 1885. 128 pp. 8°.
- —— in force April 1, 1891. Sacramento, 1891. 108 pp. 8°.

# Colorado.

# Periodical.

Biennial report [2, 7-12] of the auditor of state for the fiscal years ending Nov. 30, 1880, 1890-1900. Denver, 1881-1901. 8°.

—— Biennial report [1-2, 5, 7-11] of the treasurer for the fiscal years ending Nov. 30, 1878-80, 1886, 1890-98. *Denver*, 1878-99. 8°.

# Non-Periodical.

- The state debt. Constitutional amendment providing for funding. Financial statement of the Finance, Ways and Means Committee. n. t. p. [Denver? 1896?] 5 ll. 8°.
- Report of the revenue commission of Colorado. ed. 2. Denver: Smith-Brooks Prig. Co., state prirs., 1901. 61 pp. 8°.

This commission was appointed by the senate of Colorado, by resolution adopted March 27, 1800, to investigate the state and local revenue laws of Colorado, and, with a view to their amendment, to make a particular inquiry into the tax laws of New Zealand and the Australasian colonies.

# Connecticut.

## Periodical.

Annual report [14-20, 27-29, 31-63] of the bank commissioners for the years 1850-56, 1863-65, 1867-1900. *New Haven, Hartford*, 1850-1900. 8°. (In: Conn. Public Documents.)

Connecticut, cont'd.

—— Same. Separate, 1841-45, 1851-62, 1864-70, 1872-74, 1876-77, 1882-84, 1887-88, 1892. 1897-1900. New Haven, Hartford, 1841-1900. 8°.

- Annual report of the comptroller for the fiscal year ending March 31, 1850-56, 1863-05. 1867-76, Nov. 30, 1876-84, June 30, 1885-86.

Biennial report for the fiscal year ending June 30, 1888-90, Sept. 30, 1892-94.

#### Changes to:

Annual report for the fiscal year ending Sept. 30, 1895-1900. New Haven, Hartford, 1850-1901. 8°. (In: Conn. Public Documents.)

 Same. Separate, for the fiscal year ending April 30, 1817, March 31, 1843, 1853-54, 1856-57, 1859, 1862, 1866, 1868, 1872-76, Nov. 30, 1876-84, June 30, 1885-88, Sept. 30, 1890-1900. New Haven, Hartford, 1817-1900. 8°.

There are two editions of the report for 1897, viz.: one bound together with the report for 1898, with title "Annual reports... for the years 1897 and 1898," and one bound alone.

The office of comptroller was created in 1786, by act of the General Assembly. A list of comptrollers, with terms of service from 1786 to 1899, is given in the Register and Manual of Conn. for 1899.

- Annual report of the treasurer for the fiscal year ending March 31, 1851, 1853-56, 1863-65, 1867-71, Nov. 30, 1876-84, June 30, 1885-91, Sept. 30, 1892-1900. New Haven, Hartford, 1851-1901. 8°. (In: Conn. Public Documents.)
- Same. Separate, 1856, 1860, 1862, 1866, 1868, 1872-74, 1876 (March and Nov.), 1878-81, 1883-85, 1887-1900. New Haven, Hartford, 1856-1900. 8°.

A list of the treasurers of Conn., from 1630 to 1800, with terms of service, is given in the Register and Manual of Conn. for 1899.

- Report [quadrennial] of the comptroller, showing indebtedness, rate of tax, and expenditures of towns, cities, boroughs and counties, Oct. 1, 1877, 1880-1896. Hartford, 1877-96. 8°. (In: Conn. Public Documents.)
- Same. Separate, 1880-96. Hartford, 1880-97. 8°.

# Non-Periodical.

- An Act to incorporate the Connecticut Savings Fund Company. May, 1833. n. t. p. 11 pp.
- Report of the joint standing committee on banks, to whom was referred the bank commissioners' report. May, 1845. Hartford: J. L. Boswell, state prtr., 1845. 8 pp. 8°. (House doc. 9.)
- Report of the bank commissioners . . . concerning the amount of banking capital in this state, and its locations . . . Hartford : J. L. Boswell, state prtr., 1847. 12 pp. 8°.
- Reports of the majority and minority of the joint select committee on the general banking law. May, 1851. [With: An Act to authorize the business of banking.] Hartford: A. E. Burr, prtr., 1851. 31 pp. 8°.
- Majority and minority reports of the joint select committee upon the subject of a general banking law and a bill for a public act. May session, 1852. New Haven: Osborn & Baldwin, prtrs., 1852. 39 pp. 8°.

- Continuation of the report of the bank commissioners on the Eastern and Woodbury Banks. Hartford: A. E. Burr. prtr., 1853. 12 pp. 8°.
- Grand list for Oct. 1, 1855... prepared from the returns of the town clerks. New Haven: Carrington & Hotchkiss, state prirs., 1855. 21 pp. obl. 8°.
- Report of the commissioners, appointed by the General Assembly in 1873 to investigate the savings banks of the state. Norwich: Norwich Prig. Co., 1874. 201, 16 pp. 8°.
- Report of the special commission on the revision of the tax laws. Hartford: Case, Lockwood & Brainard Co., 1881. 13 pp. 8°.
- Estimates for appropriations for state expenses for two fiscal years [ending June 30, 1893]. Hartford, 1819. 8°.
- Report of the committee to inquire into all matters relating to state receipts and expenditures. Feb. 1, 1899. New Haven: Tuttle, Morehouse and Taylor Press, 1899. 143 pp. 8°.

# Dakota (Territory).

For State publications see North Dakota and South Dakota.

Biennial report of the auditor for the fiscal year ending Nov. 30, 1886, 1888, 1888/9. Bismarck, Pierre, 1886-89. 8°.

The report for 1888/9 covers the period from Dec. 1, 1888, to Nov. 4, 1889, the end of the territorial government.

- Biennial report of the treasurer for the fiscal year ending Nov. 30, 1884. Yankton, 1884. 8°.

Delaware. Annual report of the auditor for the fiscal year ending Dec. 31, 1884, 1890-97, 1899-1900. Dover, Milford, 1885-1901. 8°.

Report for 1884 is for period from Jan. 16 to Dec. 31. The report for 1873 is contained in "Journal of the committee, etc.," entered below.

- Biennial report of the treasury department for the fiscal year ending Dec. 31, 1881, 1888-98. Wilmington, Dover, Seaford, 1881-99.
- Journal of the committee of the legislature appointed to settle with the state treasurer and receive the report of the auditor of accounts, at their session commenced and held in Dover, Jan. 20, 1874, 1880, together with the auditor's report of the finances for the year 1873, 1880. Dover, 1874-80. 8°.

Florida. Annual report of the comptroller for the fiscal year ending Oct. 31, 1853-54, 1868, Dec. 31, 1873, 1875, 1879-84, 1886, 1889-98. n. l. p., Tallahassee, 1899. 8°. (In: Message and Documents.)

- —— Same. Separate, 1882, 1890, 1892-93, 1897-99. Tallahassee [1883-]1900. 8°.
- Annual report of the treasurer for the fiscal year ending Oct. 31, 1855, 1868, Dec. 31, 1873, 1876, 1879-82, 1884, 1886, 1889-95, 1897-98. n.l.p., Tallahassee, 1899. 8°. (In: Message and Docu-
- Same. Separate, 1878-79, 1881, 1883, 1885-99. Tallahassee, 1879-1900. 8°.

Report for 1885 is for period from Feb. 10 to Dec. 31. Reports for 1803-04 and 1805-06 are bound together with separate title-pages and continuous paging. Report for 1899 is for period from June 0 to Dec. 31.

# Georgia.

Pursuant to act approved Sept. 28, 1881, there is in the state of Georgia a year for official reports distinct from the fiscal year. This official year covers the twelve months ending 30 days preceding the regular meeting of the General Assembly. The reports of all public officers are published in accordance with this "report year" provision.

[Annual report of the comptroller.] Comptroller's report, 4th Nov., 1821, to 31st Oct., 1822. n. t. p. 8°. (In: H. Jol., 1822 (App.), pp. 353-361.)

— 31st Oct., 1822, to 31st Oct., 1823. n. t. p. 8°. (Ibid., 1823 (App.), pp. 309-313).

— Annual report of the comptroller for the fiscal year ending Oct. 20, 1859, Dec. 31, 1871-74, Sept. 30, 1879, for "report year" 1881, 1883, 1887-88, 1890-99. *Atlanta*, 1872-99. 8°.

The report for 1850 contains an historical summary of the public buildings in the state, various statistical tables by counties, showing acreage, number of slaves, real estate valuation, etc., and a census table for the year 1859.

— [Annual report of the treasurer.] An abstract of the treasury of the state of Georgia on the 31st Oct., 1810.

Broadside. Laid in H. Jol., 1810, after t. p.

—— Statement of the receipts into and payments from the treasury . . . between 1st Nov., 1813, and 6th Nov., 1814.

Broadside. Laid in H. Jol., 1814, at end.

—— Statement of receipts into and payments from the Treasury, in cash, between the 1st Nov., 1815, and 31st Oct., 1816, incl.

Broadside. Laid in H. Jol., 1816, after t. p.

— An abstract of the Treasury of the state of Georgia on the 31st Oct., 1818.

Broadside. Laid in H. Jol., 1818, after t. p.

--- 4th Nov., 1821.

Broadside. Laid in H. Jol., 1821, p. 36.

— Abstract of Treasury . . . on the 31st Oct., 1822. n. t. p. 8°. (In: H. Jol. (App.), 1822, pp. 364-367.)

\_\_\_\_ 31st Oct., 1823. (*Ibid.*, 1823, pp. 315-318.)

— Statement of receipts and payments, 1st Nov., 1823, to 31st Oct., 1824. n. t. p. 8°. (Ibid., 1824.)

— — ist Nov., 1824, to 31st Oct., 1825. (Ibid., 1825.)

\_\_\_\_ 24th Nov., 1831, to 31st Oct., 1832. (Ibid., 1832.)

— Annual report of the treasurer for the fiscal year ending Dec. 31, 1873-74, 1877, for "report year," 1887-98, 1901. *Atlanta*, 1874-1901. 8°.

Report for 1901 contains a list of the treasurers of Georgia from 1781 to 1898 incl., with the term of service of each.

**Hawaii.** Report [biennial and annual] of the Minister of Finance, 1866, 1868/70, 1882/4, 1886/7-90/2, 1894-99. *Honolulu*, 1866-99. 8°.

— Report of the auditor-general for 1898, 1900. Honolulu, 1899-1901. 8°.

—— Report of the treasurer, 1900. Honolulu, 1900. 8°.

Idaho. Biennial report of the territorial controller for the fiscal year ending Nov. 1, 1888-90. Boise City, Caldwell, 1888-90. 8°.

Continued under state government by:

Biennial report [1-5] of the state auditor for the years 1890/2-1898/00. *Boise, Lewiston*, 1893-1901. 8°.

The report of the controller for the biennial period ending Nov., 1890, prints a roster of territorial officials from organization, 1863, to 1890.

— Biennial report of the treasurer for the years 1890/2, 1893/5-99/1901. Boise, Nampa, Pocatello, 1893-1901. 8°.

The first report under state government is for the period from Nov. 15, 1890, to Dec. 31, 1892; the remaining reports are from Jan. to Jan. In report of 1899/00 is printed a list of state treasurers.

## Illinois.

#### Periodical.

Biennial report of the auditor for the fiscal years ending Nov. 30, 1846-48, 1852, 1856-58, 1862-68.

#### Changes to:

Annual report for the fiscal year ending Nov. 30, 1869-70.

#### Changes to:

Biennial report for the fiscal year ending Nov. 30, 1872-74; Sept. 30, 1876-78, 1884-88. n. t. p., 1846-74; Springfield, 1876-88. 8°. (In: Reports to General Assembly.)

---- Same. Separate, 1864-1882/4, 1888/90-96/8. Springfield, 1865-99. 8°.

—— Biennial report of the treasurer for the fiscal year ending Nov. 30, 1846-48, 1852, 1856-58, 1862-68.

# Changes to:

Annual report for fiscal year ending Nov. 30, 1860.

# Changes to:

Biennial report for fiscal year ending Nov. 30, 1872-74; Sept. 30, 1876-78, 1882-88, 1896. n.t.p., 1846-88; Springfield, 1896. 8°. (In: Reports to General Assembly.)

—— Same. Separate, 1868, 1870, 1872, 1876–82, 1892–98. Springfield, 1868[-98]. 8°.

—— Proceedings of the state board of equalization, sessions of 1869-71, 1873-81, 1885-99. Spring field, 1869-99. 8°.

—— Statement showing the condition of Illinois state banks, 1892, Oct.; 1893, Jan., Jly., Nov.; 1894, May, Aug., Dec.; 1895, Mch., Je., Sept., Dec.; 1896, Mch., Je., Sept., Nov.; 1897, Feb., May, Aug., Oct.; 1898, Jan., Apr., Je., Sept., Dec.; 1899, Mch., Jly., Sept., Dec.; 1900, Feb., Jly., Dec. n. t. p., Spring field, 1897–1900. 8°.

# Non-Periodical.

— Report of the finance committee, . . . submitted in pursuance of a resolution adopted Feb. 17, 1859. Springfield, 1861. 56 pp. 8<sup>b</sup>.

An inquiry into the origin and condition of the state indebtedness. Contains references to all laws relative to the indebtedness of the state.

— Report of the revenue commission appointed to propose and frame a revenue code. Springfield: H. W. Rokker, 1886. xv, 70 pp. 8°.

## Indiana.

## Periodical.

Annual report of the auditor for the fiscal year ending Nov. 30, 1835-36; Oct. 31, 1840, 1842-44. 1846-47, 1849-50, 1852-56, 1858-60, 1862-72, 1874-85, 1887-93, 1895-1900. n. t. p., 1836-40; Indianapolis, 1842-1901. 8°. (In: Documentary Journal.)

—— Same. Separate, 1853, 1871, 1874, 1877, 1883, 1886-87, 1889-93, 1896-99. Indianapolis, 1854-99. 8°.

Reports previous to the beginning of the Documentary Journal in 1835 are in the House and Senate Journals. Report for 1844 contains a brief historical sketch of Indiana, and a list of state officers from 1856 to 1853. There are two editions of the Documentary Journal for 1852/2, 37th General Assembly, one with 1852 as imprint date of the report of the auditor for the fiscal year ending Oct. 31,1852; in the other it is 1853. Back title of latter edition is "Doc. Jol. 1852/3," of former edition "Doc. Jol. 1852/3." The library copy of the Documentary Journal for 1852 has this note in MS. made by some previous owner: "This vol. is lacking t. p. and index to pt. 2, and seems to have been published before the other Documentary Journal of this session. The true Documentary Journal of this session is the one with the title on back: Documentary Journal, 1852/3." this session. The true Documentary Journal of this session is the one with the title on back: Documentary Journal, 1852/3.

- Annual report of the board of commissioners on the sinking fund for 1835, 1840, 1842-44, 1846-47, 1849-56, 1858-60, 1862-55. n. t. p., 1835-36; Indianapolis, 1840-66. 8°. (In: Documentary Journal.)

Created by act of Jan. 28, 1834; abolished by act of Dec. 21, 1865, from and after Jan. 20, 1867.

A history of this fund may be found in the report of the auditor for 1870, p. 75.

· [Annual report of the] Bank Department for 1894-95. **n.** t. p. 8°.

These reports form part of the annual report of the auditor.

Annual report of the state bank for 1835-36, 1840, 1843–44, 1846–47, 1849–56, 1858–59, 1864. n. t. p., 1835–36; Indianapolis, 1840–65. 8°. (In: Documentary Journal.)

Established by act of Jan. 28, 1834; reorganized by act of March 3, 1855; and abolished by act of Jan. 10, 1865. By the act of organization the State Bank was merged from the bank of Vincennes; reports prior to the commencement of the Documentary Journals are in the House and Senate Journals.

There are two prints of the report for 1840 in the Documentary Journal of 1840/1, viz., H. doc. 32 and 34 resp. Doc. 32 has a half-title and includes. pp. 413-444, "Reports of the branches of the state bank of Indiana, showing their condition on the third Saturday of Nov., 1840." 300 cypies of this report were ordered printed. Doc. 34 has no title, and does not include the "Reports of branches, etc."

- Annual report of the treasurer for the fiscal year ending Dec. 1, 1835-36; Oct. 31, 1839-40, 1842-44, 1846-47, 1849-56, 1861-63, 1865-72, 1874-84, 1886-93, 1895-1900. \*\*. t. p., 1836-40; Indianapolis, 1842-1900. 8°. (In: Documentary Journal.)
- Same. Separate, 1882, 1889-91, 1893, 1895-96, 1899-1901. Indianapolis, 1882-1901. 8°.

Reports previous to the beginning of the Documentary Journal in 1835 are in the House and Senate Journals. The report of the treasurer for 1850 is for the 11 months ending Oct. 31; the report of 1862 covers the period from Feb. 11, 1861, to Dec. 31, 1862; that of 1863 covers the period from Feb. 10 to Oct. 31, 1863. There are two editions of the Documentary Journal for 1852/3, 37th General Assembly. In one the imprint date of the treasurer's report for the fiscal year 1851/2 is 1852, in the other it is 1853. See also note above under Auditor.

- Biennial report [3-5] of the board of tax commissioners to the General Assembly, 1897-1901. Indianapolis, 1897-1901. 8°.
- Proceedings of the board of tax commissioners, 1891-1900. *Indianapolis*, 1891-1900. 8°. (In: Documentary Jol.)

—— Same. Separate, 1891, 1899-1901. Indianapolis, 1891-1901. 8°.

Organized by law of March 6, 1801. These reports are also printed as appendices to the annual reports of the auditor.

- Proceedings of the board of equalization in the assessment and equalization of railroad property for the purpose of taxation, 1888, 1890. Indianapolis, 1888-90. 8°.

Earlier years are in the auditor's annual report; from 1891 to 1897 these proceedings were printed as part of the tax commissioner's report, and from 1898 to date as a supplement to

the auditor's report.

- Annual conference convention of the state board of tax commissioners and county assessors, 1899-1901. Indianapolis, 1899-1901. 8°.

## Non-Periodical.

- Report of N. B. Palmer, agent of state, appointed to examine the state and condition of the state bank, and branches. Dec., 1842. Indianapolis, 1842. 359 pp. 8°.

- Report of the board of loan commissioners of the state of Indiana. Indianapolis, 1863. 12 pp. 8°.

- An act concerning taxation in the state of Indiana, providing for the assessment, levy and collection of taxes, and prescribing the duties of officers in relation thereto. Approved March 29, 1881. Indianapolis, 1881. 90 pp. 8°.
  - Same. Approved March 6, 1891. 103 pp. 8°.
- --- Laws concerning the incorporation and supervision of state banks, savings banks, trust cos., etc. Compiled by A. C. Daily. July, 1895. Indianapolis, 1895. 60 pp. 8°.
- Laws concerning the assessment of property for taxation. 1899. Compiled by T. B. Buskirk. Indianapolis, 1899. 154 pp. 8°.

# Iowa.

# Periodical.

[Annual] Report of the auditor for the fiscal year ending Nov. 1, 1857, [biennial] for the fiscal years beginning the first Monday in Nov., 1859, 1863-65, 1869-71; beginning Nov. 1, 1873-75; beginning Oct. 1, 1877-81; beginning July 1, 1883-99. Des Moines, 1858-99. 8°. (In: Legislative Documents.)

 Same. Separate, 1856/7, 1863/5, 1867/9-97/9. Des Moines, 1858-99. 8°.

- [Annual] Report of the treasurer for the fiscal year ending Nov. 1, 1857, [biennial] for the fiscal years beginning the first Monday in Nov., 1859, 1863-65, 1869-71; beginning Nov. 1, 1873-75; beginning Oct. 1, 1877-81; beginning July 1, 1883-99. Des Moines, 1857-99. 8°. (In: Legislative Documents.)
- Same. Separate, 1863/5, 1869/71-73/5, 1877/9, 1887/9-1899/01. Des Moines, 1865-1901. 8°.
- Annual report [1, 5, 8-9, 13-]30 of the assessed valuation of railroad property . . . as fixed by the executive council of the state, 1872, 1876, 1879-80, 1884-1901. Des Moines, 1872-1901. 8°. Early titles vary. 1872 is "Statement of earnings, tariffs, etc." 1876-91, "Assessed valuation, etc."

# Non-Periodical.

- Prospectus of the proposed loan of Iowa for war purposes. [July 1, 1861.] New York [1861]. 12 pp. 8°.
- Revenue laws of the state. 1893. Des Moines, 1893. 8°.

## Kansas.

#### Territorial.

Annual report of the auditor for the 1.-5. fiscal

years, 1856-60. \*\*. t. p. 8°.

Report for 1856 is in Council jol., 1857; for 1857 in H. jol., 1858, and Kans. Hist. Socy. Col., v. 4; for 1858 in Council jol., 1859; for 1859 in H. jol, 1850, s. seas.; for 1860 in Council jol. and in H. jol., 1861. (Kans. Hist. Col. v. 6: 394.)

Annual report of the treasurer, 1856-50. n. t. p. 8°.

Report for 1856 is in Council jol, and in H. jol., 1857; for 1857 in Council jol., 1858; for 1858 in Council jol., 1859; for 1850 in Council and in House jol., 1860, sp. sess. (Kans. Hist. Col. v. 6: 418.)

- Annual report [4, 8-9, 11-13, 15-16] of the auditor for the year ending Dec. 31, 1864; Nov. 30, 1868-69, 1871-73, 1875-76. n. t. p., 1864-69; Topeka, 1871-76. 8°. (In: Public documents.)

- Same. Separate, 1874. Topeka, 1874. 8°. The 11th and 12th reports contain tables of the year's agricultural products; the 15th and 16th contain the proceedings of the sinking fund commissioners, and the state debt from 1861 to 1875. The 16th report is made by the auditor and register of the land office. The office of register of the land office was created within the auditor's office by law, March, 1876.

#### Continued as:

Biennial report [1-11] of the auditor and register of the land office for the fiscal year ending June 30, 1878-98. Topeka, 1878-98. 8°. (In: Public docu-

- Same. Separate, 1880-98. Topeka, 1880-98. 8°.

1st report covers period from Dec. 1, 1876, to Je. 30, 1878; 1st-11th, contain tables of municipal debt; 1st-7th, proceedings of Sinking Fund Commissioners; 2d, number of state lands patented and amount recd, therefor from 1865 to 1880; 5th-11th, proceedings of Railroad Assessors; 6th-11th, proceedings of Roard of Founditions of the 1878 of State of St of Board of Equalization; 7th, names, locations, and cost of the state institutions, and list of Auditors from 1861 to 1890. The board of equalization was created by law of Feb., 1860; the sinking fund commission was created by law of March,

1875.

Biennial report [2-3] of the bank commissioner, 1892/4-94/6. Topeka, 1894-96. 8°. (In: Pub. documents.)

— Same. Separate, 1892/4. Topeka, 1894. 8°. The 3d report transmits new banking law, the adoption of which is recommended.

- Annual report [4, 8, 9, 11-13, 15-16] of the treasurer for the fiscal year ending Nov. 30, 1864, 1868-69, 1871-73, 1875-76. n. t. p., 1864-69; Topeka, 1871-77. 8°. (In: Pub. documents.)

- Same. Separate, 1874-76. Topeka, 1874-76. 8°.

# Continued as:

Biennial report [1-11] for the years ending June 30, 1878-98. Topeka, 1878-98. 8°. (In: Pub. documents.)

Separate, 1978-80, 1884-1900. Same.

Topeka, 1878-1900. 8°.

The 5th biennial report includes in its introductory remarks to the several funds, historical summaries compiled from the records and reports of the Treasury Department since the organization of the state; beginning with the 6th each report contains a list of state treasurers to date.

- Biennial report [2] of the bank commissioner for the years ending Aug. 31, 1894. Topeka, 1894. 8°.

Kentucky. Annual report of the auditor for the year ending Oct. 10, 1823, 1843, 1845, 1847-48, 1851-53, 1861, 1863-65, 1871, 1874/5, 1876. n. t. p., 1823-48; Frankfort, 1851-77. 8°. (In: Legislative documents.)

Same. Separate, 1861, 1872-73, 1879. Frankfort, 1862-79. 8°.

Report for 1823 is in the Senate jol.; for 1848 there is also a applemental report covering from Oct. 11 to Dec. 20; for 1861 there is also a condensed report; for 1874/5 report covers the two fiscal years; report for 1852 is made to the Governor; for 1864-65, '71, '76, they are made to the General Assembly.

Continued as:

Biennial report of the auditor for the fiscal years ending June 30, 1883, 1889-99. Frankfort, 1883-95; Louisville, 1897-99. 8°. (In: Legislative docu-

- Same. Separate, 1881-99. Frankfort, 1881-95; Louisville, 1897-99. 8°.

Report for 1881 is for years ending Oct. 10; report for 1883 covers period from Oct. 11, 1881, to June 30, 1883.

- Annual report of the treasurer for the fiscal year ending Oct. 10, 1823, 1843, 1845, 1847-48, 1852/3, 1861, 1864-65, 1871, 1874-76. \*\*. L. p., 1843-53; Frankfort, 1861-77. 8°. (In: Legislative documents.)

- Same. Separate, 1872-73, 1875-76, 1878-79. Frankfort, 1872-79. 8°.

Report for 1823 is in the Senate jol. Report for 1848 is made by Davidson for period covering Oct. 12 to Aug. 7; by Dudley from Aug. 8 to Nov. 30, and is accompanied by a supplemental report for Dec.

#### Continued as:

Report [biennial] for the years ending June 30, 1883, 1889-93, 1897-99. Frankfort, 1883-93; Louisville, 1897-99. 8°. (In: Legislative documents.)

— Same. Separate, 1883, 1885, 1891–1901. Frankfort, 1891–95; Louisville, 1897–1901. 8°.

Report for 1883 covers period from Oct. 11, 1881, to June 30, 1883. Report for 1889 is, "as shown by the books of J. W. Tate," from July 1, 1887, to March 20, 1888; from April 2, 1888, to June 30, 1880, it is made by Sharp.

- Proceedings of the board of equalization for the sessions of 1889-94, 1898-99. Frankfort, 1889-94; Louisville, 1898-99. 8°. (In: Legislative documents.)

Created Nov. 1, 1888.

- Report of the second auditor for the year ending Oct. 10, 1843, 1845, 1847-48, 1850. n. t. p., 1843-48; Frankfort, 1850. 8°. (In: Legislative documents.)

- Same. Separate, 1842. Frankfort, 1843.

Report of the sinking fund commissioners, 1843, 1845, 1847-48, 1852/3, 1864/5. \*\*. t. p. 8°. (In: Legislative documents.)

Board was organized in 1836.

## Louisiana.

## Periodical.

Annual report of the auditor for the two fiscal years ending Dec. 31, 1851; for the year ending Dec. 31, 1851-53, 1855-60, 1864-66, 1868-70, 1873-75, 1877-78, 1881. New Orleans, 1852-82. 8°. (In: Jols. and Legislative documents.)

- Same. Separate, 1856, 1866, 1870-75. 1877-79, 1881-99. New Orleans, 1856-92; Baton Rouge, 1894-1900. 8°.

Beginning with 1881 the reports are biennial; until 1897 they were made to the General Assembly; after that year they are made to the Governor. From 1851 to 1853 they are printed as appendices to Senate and House journals. For 1854, 1853 and 1857 they are in both English and French. The report for 1864 is for the fiscal operations of the state from the commencent of the administration of Gen. Shepley to Sept. 30, 1864; it contains in App. B. the reports of the financial commission

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of New Orleans under special order of Maj. Banks, commanding the Dept. of the Gulf, under date of March 18, 1864; and in App. C. the report of the auditor in compliance with a resolution of the constitutional convention of April 18, 1864, on the receipts and disbursements during the administration of Gen. Shepley. The report of 1870 is for the fiscal year ending Nov. 30. A list of auditors from 1846 to 1892 is in the report of the Secretary of State for 1892. The office of auditor of public accounts was created in 1846. accounts was created in 1846.

- Annual report of the treasurer for the fiscal year ending Dec. 31, 1851-53, 1855-59, 1864-66, 1868, 1870, 1873-75, 1877. New Orleans, Baton Rouge, 1852-78. 8°. (In: Jols. and Legislative documents.)
- Same. Separate, 1866, 1869-71, 1874-75, 1877. New Orleans, 1867-78. 8°. Continued as:

Biennial report of the treasurer for the fiscal year ending Dec. 31, 1881. Baton Rouge, 1882. 8°. (In: Legislative documents.)

Same. Separate, 1881, 1885-93, 1897-99. New Orleans, Baton Rouge, 1882-1900. 8°.

Reports before 1875 were made to the General Assembly, after that date to the Governor; 1851-53 are in appendices to House and Senate journals; 1853-55 are in both French and English. Reports for 1877 and following years contain monthly reports of the banks of New Orleans published in accordance with provision of act no. 91, 1877. The office of treasurer was created by the constitution of 1812. A list of state treasurers from 1812 to 1892 is in the report of the Secretary of State for 1892.

· Report [proceedings] of the currency board, 1843-44, 1848-51, 1853, 1855-60, 1864, 1866. n.t.p., 1843-49; New Orleans, Baton Rouge, 1852-66. (In: Jols. and Legislative documents.)

Established by act of Feb. 5, 1842.

The report for 1843 is in the Senate jol. of 1843, pp. 13-16; the documents accompanying the report are printed in the appendix of this journal. The reports for 1844-51 are in the appendices to the House journals; 1853 in the appendix to the Senate journal of 1844; and the following reports in the legislative documents. The report for 1844 is in both French and English English.

- Report [1] of the state board of appraisers showing the assessments made of property employed in the railway, telegraph, telephone, sleeping car and express business for the year 1899. Baton Rouge, 1900. 8°.
- The board was created by art. 226 of the constitution of
- Report [1] of the state examiner of state banks to the General Assembly. Baton Rouge, 1900. 8°.

Office was created by act 198 of 1898, in compliance with a recommendation of the framers of the constitution.

 Report of the joint committee on banks and banking, 1854, 1856-60, 1866. New Orleans, 1854-66. 8°. (In: Jols. and Legislative documents.)

Report for 1857 contains a special report on the system of free banking in Louisiana; report for 1858 is in French.

# Non-Periodical.

- The charter and renewal of the charter of the Bank of Orleans. New Orleans: C. W. Duhy, n. d. 15 pp. 8°. In French and English.
- An act to incorporate the subscribers to the Consolidated Association of the Planters of
- Louisiana. New Orleans: B. Levy, 1829. 48 pp. 8°. - An act to incorporate the city bank of New Orleans, March 3, 1831. New Orleans: B. Levy, 1832. 16 pp. 8°.

- An act to incorporate the subscribers of the Union Bank of Louisiana . . . April 2, 1832, with the rules of the company. New York: Clayton & Van Norden, 1832. 29 pp. 8°.
- An act to incorporate the Commercial Bank of New Orleans. New Orleans: B. Levy, 1833. 32 pp. 8°.
- Special report of the joint finance committee. Baton Rouge: Daily Advocate, 1857. 15 pp.
- Report of the joint committee on banks and banking. [New Orleans, 1857.] 144, 25 pp. 8°.
- Report of the House committee on banks and banking on House bill no. 32, An Act to establish a general system of free banking in the state of Louisiana. n. p. [1857.] 8 pp. 8°.
- Report to the House from the finance committee [exhibiting a complete statement in tabular form of the financial condition for a series of years. March 11, 1861]. Baton Rouge: J. M. Taylor, 1861. 25 pp. 8°.
- Report of the committee on city finances appointed to investigate the amount of notes issued by the city]. [New Orleans, 1867.] 3 pp. 8°.
- · [Letter from the Governor calling upon the taxpayers to organize and resist the collection of taxes by the usurping Kellogg government. March 10, 1873.] [New Orleans, 1873.] 1 l. 4°.
- An act to provide for funding obligations of the state, by exchange for bonds, etc. Approved Jan. 24, 1874. [New Orleans, 1874.] 5 pp. 8°.
- Partial report of the joint committee on examining the books, accounts and other official documents in the auditor's and treasurer's office. New Orleans, 1875. 52 pp. 8°.
- Same. New Orleans, 1875. 88 pp. 8°. This edition contains, pp. 53-88, as exhibit W, "A report (not before published) prepared by J. M. Weymouth for the use of the committee of examiners appointed by . . . Gov. Kellogg, in 1873, 'to inspect . . . the origin, condition . . . and constitutionality of the entire state debt . . ."
- Report of the joint committee of investigation of the affairs of the late auditors to the General Assembly. Session 1878. New Orleans, 1878. 26 pp. 8°.
- Report of the joint committee to investigate the treasurer's office to the General Assembly. 1877. New Orleans, 1878. 15 pp. 8°.
- Report of the committee on public debt to the constitutional convention. New Orleans, 1879. 92 pp. 8°.
- Compilation of acts to provide a revenue for the state, comprising all acts in force Sept. I, 1886. New Orleans, 1886. 36, 33 pp. 8°.
- Joint report of the auditor and treasurer to the governor. Result of the investigations of the deficiencies and irregularities of the consolidated, constitutional and baby bonds of the state. Sept. 7, 1889. n. p., n. d. 27 pp. 8°.
- Maine. Annual report [1, 3-6, 8-9] of the board of state assessors made 1891, 1893-96, 1898-99 to Governor and Council. Augusta, 1892-99. 88. (In: Public documents.)
- Same. Separate, 1893, 1896. Augusta, 1893-96. 8°.
- Abstract from the returns of the cashiers of the several incorporated banks in Maine as they ex-

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isted on the Saturday preceding the first Monday of Jan., 1842-45, of October, 1845-51, of January, 1853-60, 1867, of June, 1842, 1844-45, 1853-60, 1867, of May, 1846-52. n. t. p. Folded tables. (In: Public documents.)

Annual report of the bank commissioners made Dec., 1833, 1840-45, Feb., 1847, Jan., Nov., 1848-49, Dec., 1850, Jan., 1852-53, Dec., 1853-60, 1866. n. t. p., 1833; Augusta, 1840-66. 8°. (In: Public documents.)

1840 was made to the Senate and House; 1841-59 to the Governor and Council.

—— Annual report [1-3, 17-21, 23-28 of the bank examiner to the Governor and Council] on the condition of the savings banks, made Dec., 1868-70, 1873-77, 1879-84. Augusta, 1869-84. 8°. (In: Public documents.)

1-3 reports made by "Bank and Insurance Examiner." Title changes to:

Annual report [29-31] of the condition of savings banks and trust companies, made Dec., 1885-87. Augusta, 1885-87. 8°. (Ibid.)

Title changes to:

Annual report [32-35, 37-38] of the condition of savings banks, trust companies, and loan and building associations, made Dec. 1, 1888-91, 1893-94. Augusta, 1888-95. 8°. (Ibid.)

Title changes to:

Annual report [39-40, 42-43] on the condition of savings banks, trust companies, loan and building associations, and foreign banking companies having license to do business in the state, made Jan., 1896, Dec., 1896, 1898-99. Augusta, 1896-99. 8°. (Ibid.)

Same. Separate, made Dec., 1873, 1876, 1881-85, 1890-91, 1894, Jan., 1896, Dec., 1896. Augusta, 1874-96. 8°.

40th report contains table showing number of banks, depos tors, average amount for each depositor and for each inhabitant from 1860 to 1896; 42d report contains statistical table of mutual savings banks of the U. S., also table giving date of organization, etc., of savings banks of the state; 43d report contains historical table of savings banks from 1872 to 1899.

- Annual report of the treasurer for the year ending Dec. 31, 1833, 1840-44, April 30, 1846-51, Dec. 31, 1852-54, 1856-66, 1866, 1868-71, 1873-77, 1879-96, 1898-99. Augusta, 1834-1900. 8°. (In: Public documents.)
- Same. Separate, 1843, 1851, 1873-78, 1880-82, 1888-93, 1895-1900. Augusta, 1844-1901. 8°.

82, 1888-93, 1895-1900. Augusta, 1844-1901. 8°. Reports for 1833-40 are made to the President of the Senate and to the Speaker, 1881-90 to the Governor and Council. The titles vary as follows: 1833, Report of the treasurer on the finances; 1840, An account of the treasury; 1841, Annual report of the treasurer on the state of the treasury; 1848, An account of the state of the treasury; 1855, Report of the commissioner of the treasury; 1856-59, Report for the year ...; 1874-90, Annual report ... Report for 1846 covers the period from Jan. 1, 1845, to April 30, 1846. Report for 1850 is made by clerk Caldwell to committee on treasurer's accounts, the treasurer having defalcated. Reports for 1899-1901 contain list of treasurers from 1820 to date.

Report of the tax commissioner appointed under resolve of the Legislature, passed January 16, 1874. Augusta, 1874. 32 pp. 8°.

# Maryland.

## Periodical.

Annual report of the comptroller for the fiscal year ending Dec. 1, 1852, Sept. 30, 1854-59, 1865-

- 67, 1869, 1871, 1873, 1875, 1877, 1879, 1881, 1883, 1885, 1887, 1889, 1891, 1893, 1895, 1897, 1899. Annapolis, Baltimore, 1853–1900. 8°. (În: Documents.)
- Separate, 1859, 1862-64, 1869, 1871-73, 1875-82, 1884-92, 1894-1900. Annapolis, Westminster, 1860-1901. 8°.
- Annual report of the tax commission, 1879, 1881, 1883, 1885. Annapolis, 1880-85. 8°. (In: Documents).
- Same. Separate, 1892, 1894-95. Frederick, Chestertown, 1892-96. 8° Created by act passed Jan. sess., 1878, ch. 178.
- Annual report of the treasurer for the fiscal year ending Dec. 1, 1849, Sept. 30, 1865-67, 1869, 1871, 1873, 1881, 1883, 1885, 1889. Annapolis, 1849-90. 8°.
- Annual report of the treasurer of the western shore, 1840-43. Annapolis, 1840-43. 8°.

## Non-Periodical.

Report of the select committee on the bank of the state of Maryland, upon the memorials of sundry citizens of different counties praying the establishment of a states bank, to be founded upon the invested money in the treasury for the supply of revenue and the general convenience of the people. ... Dec. sess., 1830. Annapolis, 1831. ii, 48, iv pp. 8°.

- Report of the ways and means committee on the subject of finances, and internal improvements, March 9, 1836. Annapolis, 1836. 37 pp. 8°.

- The revenue laws of . . . Maryland, exclusive of those relating to licenses generally . . . passed since 1840, and in force 1849. Compiled by E. O. Hinkley and C. S. Carter. Baltimore, 1851. xvi, 185 pp. 8°.
- Report of the committee of ways and means on the finances of the state. Annapolis, 1862. 16 pp. 8°.

# Massachusetts.

# Periodical.

Annual report [1-50] of the auditor for the fiscal year ending Dec. 31, 1849-1900. Boston, 1850-1900. 8°. (In: Legislative and Public Documents.)

- Same. Separate, 1849-53, 1855-57, 1859, 1861, 1863-89, 1891-98. Boston, 1850-99. 8°.

Established by act of March 24, 1849. On Feb. 17, 1849, the Committee on Finance of the House of Representatives presented a report (H. doc. 42, 1849) which reviews the system of auditing accounts as previously practiced in Massachusetts, and subjoined to the report is the text of the act to establish the office of auditor of accounts.

 [Annual report of the bank commissioners.] True abstract of statements of several bank corporations... rendered January 1810-13. [Boston, 1810-13.] Folded sheets.

Published by the Secretary of the Commonwealth.

Continued as:

Annual report [3] of the bank commissioners to the governor, 1840. Boston, 1841. 8°.

Established 1838, abolished 1843.

Final report of the bank commissioners, Jan., 1851. [Boston, 1851.] 108 pp. 8°.

Established 1849, abolished in Jan., 1851.

Continued as:

Annual report [1-15] of the bank commissioners

Massachusetts, cont'd.

to the secretary of the commonwealth, 1851-65. Boston, n. d. 8°.

Established in Dec., 1851, abolished 1865. On Feb. 24, 1851, the Committee on Banks and Banking of the House of Representatives of Massachusetts was ordered to consider the expediency of establishing a board of bank commissioners. The report of the committee and "An Act establishing a Board of Bank Commissioners" are printed as H. doc. 04, 1851. The report for 1842 contains an historical account of savings banks in Europe and America; reports for 1854 and '55 contain notices of pertinent acts of the legislature of that year. With 1858 statements of individual savings banks are given, and from 1861 appendices of statistical information are found.

——[Annual report of the board of commissioners of savings banks.] Abstracts of the returns from banks and for institutions for savings, Sept., 1834, Feb., Oct., 1838, Nov., 1839, Oct., 1840, Sept., 1841, Oct., 1842, Aug., 1843, July, 1844, Nov., 1845, Oct., 1846, Sept., 1847–48, Oct., 1849, Sept., 1850, May, 1851, Sept., 1852, Oct., 1853, Aug., 1854–55, Oct., 1857–60, 1862. Boston, 1834–62. 8°.

Published by the Secretary of the Commonwealth. Continued as:

Annual report [I-I4] of the commissioner of savings banks, 1866-1879. Boston, 1867-1880. 8°. Continued as:

Annual report [1-26] of the board of commissioners of savings banks, 1876-1901. Boston, 1877-1902. 8°. (In: Public Documents.)

—— Same. Separate, 1876-79, 1881, 1883-84, 1886-1901. *Boston*, 1877-1902. 8°.

The rith-right and the rist-ght reports of the two series overlap and are one and the same volumes. From 1888 statutes relating to savings banks and savings institutions are appended to the reports.

- Aggregates of polls, property, taxes, etc., as assessed, 1861-1900. *Boston*, 1862-1900. 8°. (In: Public documents.)
- ---- Same. Separate, 1861-75, 1879, 1883-86, 1890-1901. Boston, 1862-1901. 8°.
- —— Same. Separate, 1865, 1870-71, 1873, 1877-79, 1881, 1886-98. Boston, 1866-99. 8°.

The report for 1865 is made by the treasurer and receiver general in his capacity as tax commissioner.

- [Annual report of the treasurer.] An account of the state of the treasury for 1838, 1840, 1843; annual report of the treasurer and receivergeneral for 1845, 1847–1900. Boston, 1839–1900. 8°. (In: Public documents.)
- Same. Separate. State of the treasury, Jan. 1, 1813, Jan. 1, 1814. Broadside.

Continued as:

An account of the state of the treasury, 1843, 1846. [Boston, 1843-]1846. 8°.

Continued as:

Annual report of the treasurer and receiver-general for the year ending Dec. 31, 1853-99. *Boston*, 1854-1900. 8°. (In: Legislative and Public Documents.)

—— Same. Separate, 1853-54, 1860-62, 1864, 1866-70, 1872-99. *Boston*, 1854-1900. 8°.

# Non-Periodical.

— An address [in reference to the public debt] of the legislature to the inhabitants of the common-

- wealth of Massachusetts, Boston: Edes & Sons, 1781. v. p. 8°.
- An address to the people of the commonwealth [showing what becomes of their money, and the state of the public debt]. Boston: Adams & Nourse, 1786. 70 pp. 8°.
- An act for ascertaining the rateable estate within this commonwealth, 1801. n. l. p. 2 ll. 4°.
- An act establishing a state bank, 1810. n. t. p. 14 pp. 8°.
- An act to empower the several towns in this commonwealth to collect their taxes by their treasurers, 1811. n. l. p. 3 pp. 8°.
- Report of the committee appointed to inquire into accounts of the late treasurer Skinner...

  June 11, 1812. n. t. p. 21 pp. 8°.
- Report of the joint committee appointed to inquire whether any disadvantages have resulted from the present banking system... Jan. 13, 1827. n. t. p. 31 pp. 8°.
- —— Abstracts shewing the state of the banks in Massachusetts... from 1815 to 1832. n. t. p. 7 pp. 8°.
- —— Speeches delivered in the House of Representatives by Caleb Cushing on the subject of the currency and the public deposits. Salem, 1834. 31 pp. 8°.
- Acts and resolves...relating to banking and savings institutions. Lowell, 1851. 44 pp. 8°.
- Revised abstract exhibiting the condition of the banks in Massachusetts... Oct. 1853. *Boston*, 1854. 102 pp. 8°.
- Abstracts of the returns of the assessors relating to the assessment of taxes on the shares of corporations, and deposits in savings institutions. 1860. *Boston*, 1861. 8°.
- Report of a committee of the executive council upon the value of notes and securities in charge of the treasurer of the commonwealth, Aug. 14, 1867. Boston, 1867. 19 pp. 8°.
- Can the Senate of Massachusetts originate grants of money? Opinion of Robert C. Pitman, April 28, 1869. *Boston*, 1869. 23 pp. 8°. (Sen. doc. 275.)
- Report of the commissioners appointed to inquire into the expediency of revising and amending the laws relating to taxation and exemption therefrom. Jan., 1875. Boston, 1875. 577 pp. 8°.
- An act to regulate and limit municipal indebtedness, 1875. n.l.p. 9 pp. 8°.
- ————— Another ed. Printed for the use of the committee on the judiciary. n. p., n. d. 8 pp. 8°.
- —— Chap. II of the public statutes, and a compilation of the subsequent enactments regulating taxation by the local assessors in Massachusetts. *Boston*, 1893. 188 pp. 8°.

# Michigan.

# Periodical.

Annual report of the auditor-general for the fiscal year ending Dec. 31, 1835, 1837, for the fiscal year ending Nov. 30, 1841-44, 1847, 1849, 1851, 1853-59, 1861-70, Sept. 30, 1871-86, June 30, 1887-1900. Detroit, 1836-47; Lansing, 1848-1900. 8°. (In: Joint documents.)

Michigan, cont'd.

— Same. Separate, 1839, 1845, 1864, 1870, 1872-75, 1877-81, 1883, 1885-87, 1890-1900. Detroit, Lansing, 1845-1900. 8°.

From 1835 to 1851 these reports are made to the legislature, later they are made alternately to the governor and to the legislature. Report for 1874 contains a list of auditors, with terms of service from 1829 to 1874, and the history of legislation in connection with the various state funds.

- —— Annual report of the treasurer for the fiscal year ending Nov. 30, 1836–38, 1843–44, 1846–47, 1849, 1851, 1853–58, 1861–70, Sept. 30, 1871–86, June 30, 1887–1900. *Detroit*, 1836–47; *Lansing*, 1848–1900. 8°. (In: Jols. and Joint documents.)
- —— Same. Separate, 1843, 1864, 1870, 1872-73, 1876-1901. *Detroit*, 1843; *Lansing*, 1864-1901. 8°.

From 1836 to 1851 the report is made to the legislature, from 1852 it is made to the governor.

— Annual report [1] of the board of state tax commissioners for the year ending Dec. 15, 1900. Lansing, 1901. 8°.

Created in pursuance of act 154 of 1899. This report contains in the three appendices the abstracts of the laws of other states regarding the taxation respectively of railroad properties, telegraph, telephone, electric, express and insurance companies, and of credits, mortgages and other intangible property.

Annual report [1] of the state tax statistician. Lansing, 1896. 8°.

Created in pursuance of act 236, 1895. This report is in three parts, and contains, pt. 1, a digest of the most important features of the tax laws of the several American states, relating to the levy of taxation; pt. 2, a statistical statement of county taxes in Michigan; pt. 3, equalization tables by counties of Michigan;

- Annual report [1-9] of the commissioner of the banking department to the governor. Lansing, 1889-98. 8°. (In: Joint documents.)
- Same. Separate, 1890-92, 1894-1900. Lansing, 1891-1901. 8°.
- Annual report of the board of state auditors for 1843-44; for the fiscal year ending Nov. 30, 1846-48, 1851, 1853-59, 1861-70; Sept. 30, 1871-86; June 30, 1887-97. *Detroit*, 1843-47; *Lansing*, 1848-98. 8°. (In: Joint documents.)
- —— Same. Separate, 1882, 1887-88, 1891-97, 1899-1901. Lansing, 1883-1901. 8°.
- Created by Act. 9, Feb. 20, 1843. Report for 1890 contains a compilation of laws relating to the Board of State Auditors.

## Non-Periodical.

- Tax laws of the state of Michigan, being an act to provide for assessing property at its true value... approved Feb. 14, 1853. Lansing, 1853. 8°.
  - Same, April, 1858. Lansing, 1858. 8°.
- General banking law of the state... as amended July 3, 1889, and Feb. 26, 1891. n. t. p. 20 pp. 8°.
- Tax law . . . as enacted . . . 1893. Lansing, 1893. 8°.

Minnesota. Annual report of the state auditor and commissioner of the land office for the fiscal year ending Nov. 30, 1859, 1864-67, 1869-75, 1878; for biennial fiscal period ending Nov. 30, 1880, 1882; July 31, 1886-88, 1892-98. St. Paul, [1859-] 1898. 8°. (In: Jols. and Executive documents.)

—— Same. Separate, 1864, 1872-74, 1878, 1880-82, 1886-90, 1892-98. St. Paul, Minneapolis, 1865-08. 8°.

1865-98. 8°.
Territorial reports are in the Council and House journals.
Report for 1872 contains a summary of business for the past

ten years; this report and the succeeding reports contain the records of the proceedings of the board of equalization. A list of territorial and state auditors, with terms of service, is in the state legislative manual, 1890.

- Annual report of the state treasurer for the fiscal year ending Nov. 30, 1859, 1864-67, 1869-75, 1878; for biennial fiscal period ending Nov. 30, 1880-82; for the fiscal year ending July 31, 1883, 1886-87, 1891-93, 1895-99 St. Paul, [1859-]99. 8°. (In: Executive documents.)
- Same. Separate, 1873-78, 1882, 1884, 1886-87, 1889-98. St. Paul, Minneapolis, 1874-98. 8°.

Territorial reports are in the Council and House journals. A list of territorial and state treasurers is in the state legislative manual, 1899.

# Mississippi.

#### Periodical.

Annual report of the auditor of public accounts for the fiscal year ending Dec. 31, 1873, 1876-77; biennial report for the fiscal period ending Dec. 31, 1879, 1889. n. l. p.; Jackson, 1877-90. 8°. (In: State reports.)

— Same. Separate, 1875, 1879-81, 1885-99. Jackson (Miss.), Jacksonville (Fla.), 1876-1900. 8°. From 1878 the two successive annual reports are issued in one cover and are entitled "biennial report."

— Annual report of the treasurer for the fiscal year ending Dec. 31, 1876-77; biennial report for the fiscal period ending Dec. 31, 1879, 1889. n. t. p.; Jackson, 1877-90. 8°. (In: State reports.)

— Same. Separate, 1887, 1891-97. Jackson,

1888–98. 8°.

## Non-Periodical.

— Revenue laws of the state of Mississippi passed at the session of 1880. With explanatory suggestions by S. Gwin, auditor of public accounts. *Jackson*, 1880, xiv, 88 pp. 8°.

# Missouri.

# Periodical.

Biennial report of the auditor of public accounts to the general assembly for the fiscal period ending Sept. 30, 1836-38, 1844-64; annual report for 1866-07; biennial report for 1868-70; annual report for 1871; biennial report for 1873-97. Jefferson City, [1836-]1898. 8°. (In: Appendix to journals.)

— Same. Separate, 1838, 1856, 1873-74, 1878-1900. Jefferson City, [1836-]1901. 8°.

Report for 1880/90 contains, under the caption "The revenue system of Missouri," a synopsis of the laws regulating the assessment and collection of the revenue.

- Annual report of the auditor to the governor for the fiscal year ending Dec. 31, 1875, 1885, 1891, 1893. Jefferson City, 1876-94. 8°.
- Report of the treasurer to the general assembly for the two fiscal years ending Sept. 30, 1836; for the fourth fiscal quarter, 1838; for 1844; for the biennial fiscal periods ending Sept. 30, 1846–73; Dec. 31, 1875–97. *Jefferson City*, [1836–]98. 8°. (In: Appendix to journals.)
- Same. Separate, 1860, 1866, 1873, 1876-83, 1889-1900. Jefferson City, 1861-1901. 8°.

Reports for 1807/8 and following contain a list of state treasurer's from admission of state to date.

— Report of the treasurer to the governor for the year ending Dec. 31, 1877. Jefferson City, 1878.

Missouri, cont d.

- Journal of the board of equalization for 1878, 1880-97. Jefferson City, 1879-97. 8°.

#### Non-Periodical

- Report on the amount of money paid out of the Treasury under the act of the legislature, entitled "An Act for the destruction of wolves." n. t. p. 1838. 1 l. 12°.
- [Report of the committee of the Senate on the need of reform in the currency and an independent treasury system.] Nov. 20, 1838. n. l. p. 4 pp. F°.
- [Report of the committee appointed to examine the general state and condition of the bank of the state of Missouri.] Nov. 24, 1838. n. l. p. 4 pp. 8°.
- A tabular statement of the amount of revenue chargeable to each county... for the last two fiscal years, ending Sept. 30, 1838. [Jan. I, 1839.] n. l. p. 3 ll. obl. 8°.
- Same, Jan. 1, 1837, to Jan. 1, 1839. n. l. p. 3 pp. obl. 4°.
- Report of the committee, appointed by the governor, to examine into the general condition of the bank of the state of Missouri. Nov. 24, 1840. [St Louis:] Lusk and Smith, prtrs., n. d. 32 pp., 1 tab. 8°.
- An act for the relief of the banks of the state of Missouri. Approved, March 18, 1861. St. Louis, 1861. 11 pp. 8°.
- Revised revenue law and laws of the state regulating the taxation of merchants, manufacturers, dramshop, wine and beer house keepers and insurance companies. Jefferson City, 1883. 112 pp. 8°
- Report of the committee on charges against Hon. John Walker, state auditor, together with the testimony of witnesses. 34th General Assembly. *Jefferson City*, 1887. 365 (1) pp. 8°.
- General revenue law of the state, also the laws regulating the taxation of auctioneers... merchants and peddlers. Compiled from the revised statutes of 1889 by J. M. Seibert. *Jefferson City*, 1889. 131 pp. 4°.
- —— Special message from Gov. Stone to the House... 38th General Assembly. In response to a resolution concerning alleged inequalities in assessments by the state board of equalization. Jefferson City, 1895. II pp. 8°.
- Special message of Governor Dockery on franchise taxation. n. p., 1901. 3 pp. 8°.
- Montana. Official report of the auditor of the territory for the fiscal year ending Dec. 31, 1878, 1880, 1883, 1888; of the state auditor, 1889–91, for the fiscal year ending Nov. 30, 1892–1900. Helena, 1878–1900. 8°.
- Annual report [1-5, 7, 9-10] of the state board of equalization, 1890-94, 1896, 1898-99. *Helena*, 1890-1901. 8°.

— Official report of the territorial treasurer for the fiscal year ending Dec. 31, 1878, 1880, 1883, 1888; of the state treasurer, 1889—91, for the fiscal year ending Nov. 30, 1892—1900. Helena, 1878—1900. 8°.

Reports for 1878-91 are bound with auditor's reports. Report for 1000 is biennial.

# Nebraska.

## Periodical.

Biennial report of the auditor of public accounts for the fiscal year ending Nov. 30, 1874-98. Lincoln, Hastings, Omaha, 1875-98. 8°.

- —— Statements of the auditor of public accounts showing appropriations made and moneys expended [by the 20, 23-26 legislature], 1887, 1893-99. Hastings, Lincoln, etc., 1887-99. 8°.
- Annual report [1-7] of the banking department, 1889/90, 1891/2, for the year ending Dec., 1894-96; Nov. 30, 1897-98. *Lincoln*, 1891-99. 8° and obl. 24°.
- —— Annual report of the treasurer for the fiscal year ending Dec. 31, 1872; biennial report for the fiscal period ending Dec. 31, 1873; Nov. 30, 1874-98. Lincoln, Omaha, Fremont, 1873-98. 8°.

## Non-Periodical.

- Report of the finance committee in the matter of the investigation of the accounts of the late state treasurer. *Lincoln*, 1879 65 pp. 8°.
- —— Banking law of the state of Nebraska. Lincoln, 1889. 7 pp. 8°.

**Nevada.** Annual report [2-13, 17-35] of the controller to the governor for the fiscal year ending Dec. 31, 1866-77, 1881-99. Carson City, 1866-99. 8°. (In: Jols. and Appendix.)

— Same. Separate, 1874, 1878, 1880-1900. Carson City, 1875-1901. 8°.

Reports for 1867-68, 1869-70, are biennial; report for 1871 is appended to that for 1872. Report for 1880 recommends creation of a board of equalization; from 1881 reports contain a statement of expenses of state government from its organization; report for 1887 contains an account of the proceedings in Congress relative to Nevada's war claims; report for 1892 contains an account of the practical working of the law creating the state board of assessors and equalization. This law was repealed in 1893.

- Annual report [2-13, 17-35] of the state treasurer for the fiscal year ending Dec. 31, 1866-77, 1881-99. San Francisco, Carson City, 1866-99, 8°. (In: Jols. and Appendix.)
- Same. Separate, 1874–1876, 1878–86, 1888–91, 1893–1900. San Francisco, Carson City, 1875–1901. 8°.

# New Hampshire.

# Periodical.

Annual report [4, 7, 9, 10, 12, 14-22, 24, 28, 30-31, 33-54] of the board of bank commissioners for the year ending May 31, 1849, 1852, 1854-55, 1857, 1859-67, 1869, 1873, 1875-76, 1878-89, Dec., 1890-99. Concord, Manchester, 1849-99. 8°.

First law relating to bank commissioners was passed in 1837. An account of their activity, with a list of the names and terms of service of the bank commissioners from 1837 to 1889, may be found in the report for 1889. Report for 1875 contains an abstract of the laws relating to savings banks, which is continued thereafter, and becomes more comprehensive as the law is amended, to cover trust cos. and building and loan associations.

---- Annual report of the state treasurer for the year ending June 1, 1859, 1863-64, 1867-81, 1883,

New Hampshire, cont'd,

1885-98. Concord, Nashua, Manchester, 1859-98.

8°.
From 1886 these reports contain financial statements of cities and towns, compiled by counties, in accordance with the provisions of an act approved Aug. 13, 1885. Report for 1892 contains full account and text of the Thompson bequest.

- Valuation and taxation of the state of New Hampshire, compiled by the state board of equalization [4-11, 13-14, annual], 1884-91, 1893-94; [15-16, blennial] 1896-98. Concord, Manchester, 1884-

#### Non-Periodical.

- Annual report of the auditor of accounts, 1864/5. Concord, 1865. 8°.

- Report to the legislature of Hon. George Y. Sawyer, chrm. of board of commissioners, to revise, codify and amend the tax laws of the state, and for the establishment of an equal system of taxation, June session, 1876. Concord, 1876. 52 pp. 8°.

- Report of the tax commission to the legislature, 1878. Manchester, 1878. 247 pp. 8°.

- Special report of the bank commissioners, March, 1896, concerning the Granite State Provident Association, of Manchester. Concord, 1896. 44 pp. 8°.

# New Jersey.

# Periodical.

Annual report [1-18] of the board of assessors, 1884-1901. Camden, Trenton, 1884-1902. 8°.

- Annual report of the comptroller of the treasury to the legislature for the fiscal year ending Nov. 30, 1865-69; Oct. 31, 1870-97. Trenton, Camden, Somerville, 1865-97. 8°. (In: Legislative documents.)

- Same. Separate, 1865-66, 1872-83, 1885, 1887-98, 1900. Trenton, Camden, Somerville, 1865-1900. 8°.

Office was created in 1865. Report for 1865 is for period from June 1 to Nov. 30, only.

- [Annual report of the commissioner of banking and insurance relative to savings banks, discount banks, and trust companies.] Annual statements of the several banks of the State of New Jersey for the year, 1841, 1843-45, 1850-54, 1857-58, 1860-91. n. t. p. 8°. (In: Journals of the Council and of the House, and in Legisl. documents.)

— Same. Separate, 1860, 1865, 1872, 1874, 1876, 1878-82, 1887-91. Trenton, Camden, Somer-

ville, 1861-91. 8°.

ville, 1801-01. 8°.

Inaugurated in pursuance of "An Act for the better regulation of banks, and for other purposes," passed Feb. 21, 1838, and continued under "An Act to punish frauds committed on incorporated banks of the state, and for the better regulation of said banks," approved April 15, 1846, and "An Act to regulate the business of banking," approved Feb. 27, 1850. Titles of reports under last acts vary. Continued as:

Annual report of the commissioner of banking and insurance relative to savings banks, discount banks, and trust companies, 1891-97. Trenton, 1891-97. 8°. (In: Legislative documents.)

— Same. Separate, 1891-92, 1894-99. Trenton, 1891-1900. 8°.

- Annual report [1-9] of the state board of taxation, 1891-99. Trenden, Canden, 1891-99. 8°.
Organized under "General Act concerning Taxes," approved March 19, 1891. Reports for 1898 and 1899 contain a digest and compilation of the laws and decisions relating to taxation in New Jersey.

- Report of the joint committee on treasurer's accounts... with the treasurer's report on the finances of the state . . . 1841, 1843-45, 1850-62, for the fiscal year ending Nov. 30, 1863-69, Oct. 31, 1870-97. Trenton, Camden, etc., [1841-]97. (In: Journals of Council and House, and in Legisl. proceedings.)
- · Same. Separate, 1843, 1863, 1866, 1872-1901. Trenton, Camden, etc., 1843-1901. 8°.
- Annual report of the commissioners of the sinking fund, 1864-1890. n. t. p. 8°. (In: Legislative documents.)

- Same. Separate, 1874, 1876-85, 1887-90. Trenton, 1874-91. 8°.

Created in pursuance of "Act appointing commissioners for a sinking fund and defining their duties," approved March 25, 1864. After 1890 these reports are included in the treasurer's report.

## Non-Periodical,

— The general banking law of the state of New Jersey. (now in force). With the supplement thereto. Trenton, 1852. 24 pp. 8°.

- The general tax laws of the state... with explanations and instructions by the Attorney General, and the decision of the Supreme Court. Jersey City, 1862. 108 (1) pp. 12°.

- A further supplement to an act entitled "An act concerning taxes," approved April 14,1846. Trenton, 1866. 8°.

- Financial statements of counties, cities, townships, &c. Oct. 1, 1879. Trenton, 1879. 201 pp. 8°.

Appendix to comptroller's report for 1897.

- Proposed general act concerning taxes, and acts in reference to the government of counties, cities and townships. Trenton, 1880. 168 pp. 8°.

— Tax adjustment act of New Jersey (known as the "Martin Act," chap. 112, laws of 1886). With the supplements from the passage of the act, including the legislative session of 1898, together with all the opinions in full of the courts thereon to date . . . Compiled by H. C. Griffiths. Newark, 1899. ix (1) 182 pp. 8°.

- Digest and compilation of the statutes and decisions regulating the assessment and collection of taxes in New Jersey. Trenton, 1901. xiii, 201 pp. 8°.

New Mexico. Report of the auditor to the legislative assembly for the year ending with the third quarter of the fiscal year [which ends on the first Monday in March], 1888, 1892-1900. Santa Fé, 1889-1901. 8°.

Report of the territorial treasurer, 1886/8, 1890/2, 1892/4. Santa Fé, 1889-94. 8°.

# New York.

## Periodical,

Annual report of the comptroller to the legislature for the fiscal year ending Sept. 30, 1829-1901. Albany, 1830-1902. 8°. (In: Documents.)

- Same. Separate, 1832, 1834-40, 1842-45, 1001. Albany. [1832-]1902. 8°. 1847-1901. Albany, [1832-]1902.

Report for 1838 contains regulations in regard to banking associations. From 1842 there is an appendix containing statements on the state debt, on condition of the state banks, etc. Report for 1850 contains vindication of attack of late canal commissioner Ruggles upon statements concerning the canal debt printed in comptroller's report for 1858. From 1868 re-

New York, cont'd.

ports contain statements from Ezra Cornell in re college-land scrip. Report for 1883 has a résumé of corporation tax laws. Reports from 1895 contain statements on the printing, etc., of the revolutionary war records discovered in 1895 by comptroller Roberts.

The Legislative Manual contains a brief administrative history of the office of comptroller, and a list of comptrollers

from 1797 to date.

— Annual report of the bank commissioners, 1830-42. n. t. p. 8°. (In: Documents.)

— Same. Separate, 1830-38, '41. n. t. p. 8°.

In 1829 provision was made for three bank commissioners, and the appointment of a fourth commissioner was authorized in 1840. In 1843 the office was abolished, and from 1844 to 1851 reports were made to the comptroller.

## Continued as:

Annual report of the superintendent of the banking department for the fiscal year ending Sept. 30, 1851-91. *Albany*, 1852-1891. 8°. (In: Documents.)

—— Same. Separate, 1858-62, 1864-82, 1884-88, 1890-91. Albany, 1858-91. 8°.

Title changes to:

Annual report of the superintendent of banks for the fiscal year ending Sept. 30, 1892-1901. *Albany*, 1892-1902. 8°. (In: Documents.)

—— Same. Separate, 1892-96, 1899-1901. Albany, 1892-1902. 8°.

Report for 1869 contains an opinion of the Attorney-General of the U. S. on conversion of national banks into state banks, a review of the opinion by the superintendent, and the text of an act passed Apr. 20, 1861, making the conversion possible and amending the banking laws of the state. From 1844 reports contain detailed statements of moneyed corporations other than those previously considered; later reports add building and loan associations, and mortgage companies. Report for 1882 contains text of an act revising the statutes relating to banks, banking and trust companies. From 1884 the superintendent is permitted to make examinations of banks, etc., at any time, instead of waiting for insolvency notice as formerly. Accordingly a system of quarterly examinations was adopted and has since been maintained. In 1885 banks of deposit and discount were subjected to examination by this department, and the reports now contain a list of private banks operating under corporate titles and names of directors of state banks of deposit and discount. Report for 1887 contains text of an act to provide for organization, etc., of trust companies. From 1892 on there is a list of the depositaries of lawful money reserve designated by the superintendent pursuant to sec 44, chap. 689, laws of 1892. The Legislative Manual contains a brief administrative history of the bank department from 1782, with a list of the superintendents from 1851.

- —— Annual report of the superintendent of the banking department relative to savings banks for 1857-1901. *Albany*, 1858-1902. 8°. (In: Documents.)
- —— Same. Separate, 1858-62, 1864-82, 1884-88, 1890-96, 1898-1901. *Albany*, 1858-1902. 8°.
- Annual report of the treasurer for the fiscal year ending Sept. 30, 1829-1901. Albany, 1830-1902. 8°.
- —— Same. Separate, 1832, 1835–36, 1838, 1840, 1844–46, 1848, 1850, 1852, 1855, 1857–61, 1865–78, 1880–1901. *Albany*, 1833–1902. 8°.

A statement of the duties of the treasurer and a list of state treasurers from 1776 are in the Legislative Manual.

- Annual report [1-4] of the assessors for 1859-62. n. t. p. 8°. (In: Documents.)
- Same. Separate, 1859, 1861. [Albany, 1860-62.] 8°.

Publication of reports between 1863 and 1872 doubtful. Continued as:

Annual report [1-23] of the assessors for 1873-95. n. t. p. 8°. (In: Documents.)

- —— Same. Separate, 1873-80, 1882-84, 1886, 1889-90, 1892-95. *Albany*, 1873-95. 8°.
  - Superseded in 1806 by the tax commission.
- —— Annual report [1-6] of the tax commissioners. New York, Albany, 1897-1902. 8°.

A statement of the duties of the tax commissioners, and a list of commissioners from 1850 may be found in the Legislative Manual.

— Annual report of the committee to examine the accounts of the treasurer, banking and canal departments... made Jan., 1839, 1841, 1845, 1848, 1851, 1853, 1854. Albany, 1839-54. 8°.

Continued as:

Report [1-15] of the commissioners of public accounts transmitted 1857-71. Albany, 1858-72. 8°. (In: Documents.)

—— Same. Separate, 1858-59, 1861, 1866-68, 1871-72. Albany, 1859-72. 8°.

#### Non-Periodical.

- A statement of the funds of the state, and of the annual revenue thereof, and of the amount of the salaries of the officers of the government, and of the contingent expences [sic], and other appropriations paid in the preceding year. n. l. p. [Albany, 1801.] 14 pp. 1 fold. l. 8°.
- Comptroller's report [prepared in obedience to a resolution of the Assembly requiring him to report to the house the funds of the state exclusive of the school fund, and the different matters composing the same.] Oct. 3, 1814. n. l. p. 7 pp. F°.
- —— An Act authorizing the laying and collecting an annual tax for [ ] years, for the use of this state, and to amend the act for the assessment and collection of taxes. Oct. 10, 1814. n. t. p. 2 pp. F°.
- An Act declaring the assent of the legislature to the establishment of a national bank within this state. Oct. 11, 1814. n.t.p. 1 l. F°.
- Parts of the revised statutes relating to banks and moneyed corporations. Together with the Safety Fund Law. Passed April 2, 1829. n.l.p. 56 pp. 8°.
- Report on the resolution of the Assembly of March 28, 1832 [requiring the name and place of each stockholder in the banks in the state, etc.]. n. t. p. [Albany, 1833.] 8°.
- Message of the Governor [on the attitude of the Bank of the United States toward local banks, and proposing the issue of a state stock for their benefit. March 22, 1834.] n. t. p. 8 pp. 8°.
- Report of the joint committee on the special message of the governor of March 24, 1834 [relating to the hostility of the Bank of the United States and the project of a loan upon the credit of the state]. n. l. p. 10 pp. 8°.
- Report of the committee on banking and insurance companies on so much of the governor's message as relates to the currency. n. t. p. [Albany, 1835.] 8°.

New York, contd.

- Report of the committee on the incorporation and alteration of the charters of banking and insurance companies relative to the practices pursued by certain banks, referred to in the executive message. n. t. p. [Albany, 1835.] 8°.
- Report of the commissioners under the act authorizing a loan for the benefit of the people of this state. Feb. 2, 1835. n. t. p. 3 pp. 8°.
- Report of the select committee to investigate the banks. n. t. p. [Albany, 1837.] 8°.
- Report of the bank commissioners [transmitting a statement of the amount of bank notes of denominations less than five dollars, issued by the several banks... and remaining unredeemed]. Jan. 24, 1838. \*\*. t. p. 8 pp. 8\*.
- General banking law of the state of New York, passed April, 1838. \*\*. !. p. 8 pp. 8°.
- Regulations respecting the issue and transfer of certificates of stock issued by the state... and also respecting the payment of interest. Albany: T. Weed, state prtr., 1840. 16 pp. 8°.
- Report of Samuel Young on the finances. In Senate, May 13, 1840. New York: W. C. Boggs, n. d. 8 pp. 8°.
- Report of the committee on banks and insurance companies on the bill to compel all banks to redeem their notes . . . March 14, 1844. n. l. p. 15 pp. 8°.
- Report of the finance committee on so much of the Governor's message as relates to the taxation of lease-hold estates. April 4, 1846. n.t.p. 7 pp. 8°.
- Special agents' report to the comptroller in relation to the affairs of the Canal Bank [of Albany]. July 11, 1848. n. t. p. 21 pp. 8°.
- Report of the comptroller in answer to a resolution in relation to the sale of lands for taxes. Feb. 11, 1848. n. t. p. 8°.
- Report of the committee on banks and insurance companies on so much of the message of the Governor as relates to the subject of banks. Feb. 12, 1848. [With, An Act for the formation of banks.] n. l. p. 14 pp. 8°.
- Report of the select committee appointed to investigate the affairs of the Canal Bank. March 13, 1849. n. t. p. 182 pp. 8°.
- This report has been reprinted with the following t. p.:
  "Report of the select committee of the Senate, showing the frauds and peculations of Edwin Crosswell, Theodore Olcott, John L. Crew and others, by which the Canal Bank was ruined."—Albany: H. H. Van Dyke, 1849. 64 pp. 8°.
- An act providing for the sale of lands for unpaid taxes, in the counties where they were assessed; with forms and instructions from the comptroller to the county treasurers. Albany: Weed, Parsons & Co., 1850. 53 pp. 8°.
- Report of the comptroller in relation to erroneous payments of taxes. Jan. 28, 1850. n.t.p. 71 pp. 8°.

- Report of the comptroller in answer to resolutions relative to the finances of the state. March 19, 1850. n. t. p. 11 pp. 8°.
- Same, March 17, 1851. n. t. p. 7 pp. 8°.

   Reply of the comptroller to resolutions of the Senate, in relation to general fund state debt. March 8, 1852. n. t. p. 15 pp. 8°.
- Report of the commissioners of the canal fund in answer to a resolution of the Senate calling for information in relation to loans to sundry banks. [March 26, 1852.] n. t. p. 132 pp. 8°.
- Report of the minority of the finance committee on the bill relative to the general fund state debt, and special report of the comptroller. March 29, 1852. n. t. p. 22 pp. 8°.
- Report of the finance committee on the proposition to reduce the half-mill tax. April, 1852. n.t.p. 60 pp. 8°.
- Reply of the comptroller to a resolution of the senate with regard to the amount of state debt on June 1, 1846. April 5, 1852. n. l. p. 4 pp. 8°.
- Report of the comptroller in answer to a resolution showing the indebtedness of the state from 1835 to 1852, and the number and amount of warrants, etc. Jan. 25, 1853. n.t.p. 24 pp. 8°.
- Report of the comptroller, in answer to a resolution of the assembly [on the amount of taxes due to the treasury on lands sold in December, 1852]. Jan. 25, 1853. n. t. p. 4 pp. 8°.
- Communication from the comptroller transmitting a statement of all amounts paid to the Lieutenant Governor, from July 8, 1852, to Dec. 31, 1853. March 18, 1853. n. l. p. 8 pp. 8°.
- Report of the committee on banks and insurance companies on the reference of the resolutions calling for information concerning safety-fund banks. March 29, 1853. n. l. p. 28 pp. 8°.
- Powers and duties of the agent of the superintendent of the banking department... with regulations in relation to engravers, engraving and printing bank notes. Albany: Weed, Parsons & Co., 1855. 12 pp. 8°.
- Report of the committee on banks in relation to savings banks... April 4, 1857. Albany: C. Van Benthuysen, 1857. (1) 15 pp. 8°.
- Communication from William Jay Haskett on the excise law of the state of New York. New York: Baker & Godwin, 1862. 14 pp. 8°.
- A digest of taxation in the states . . . By Alfred B. Street. Published under the direction of the joint select committee to revise the assessment

New York, confd.

laws. Albany: Weed, Parsons & Co., 1863. 267 pp. 8°.

pp. 8°.
Contains, pp. 247-267, "Report on the state assessment laws, by the joint select committee, appointed . . . 1862. Transmitted Feb. 2, 1863." Albany . Weed, Parsons & Co., 1863.

- Report of the committee on banks relative to the payment of the state debt in coin. Albany, 1863. 8°.
- —— An act in relation to assessments. Reported in senate. Jan. 15, 1863. n. t. p. 31 pp. F°.
- —— An act to authorize the levying of a tax upon the taxable property of the different counties and towns in this state, to repay moneys borrowed for . . . the payment of bounties to volunteers . . . (and to amend sec. 3, ch. 514, laws of 1863). Jan. 21, 1864. n. l. p. 14 pp. F°.
- Report on the state assessment laws by the joint select committee appointed by the legislature of 1862. Transmitted Feb. 2, 1863. Albany: Weed, Parsons & Co., 1863. 273 pp. 8°.

See also above "Digest of taxation, etc." Albany, 1863.

- The state and national banks. The question of taxation, etc. Important correspondence between bank officers and the comptroller. Albany: Weed, Parsons & Co., 1864. 14 pp. 8°.
- Report of the majority of the committee on banks, to the legislature of the state, made April 1, 1864. Albany: C Van Benthuysen, 1864. 13 pp. 8°.
- —— Instructions to assessors. [Issued from the office of the comptroller.] June 28, 1866. [Albany, 1866.] 1 l. 4°.
- Special report of E. W. Keyes on savings banks... transmitted to the legislature by the superintendent of the banking department... With appendix. Albany: Van Benthuysen & Sons, 1868. 173, 413 pp. 8°.
- A history of savings banks in the state of New York from their inception in 1819 down to 1869. By Emerson W. Keyes. To accompany the annual report of the superintendent relative to savings banks. Albany: Argus Co., prtrs., 1870. 334 pp. 8°.
- Report of the commissioners to revise the laws for the assessment and collection of taxes. Feb., 1871. Albany: Argus Co., prtrs., 1871. 154 pp. 8°.
- —— Same. Second report. Feb., 1872. Albany, 1872. 102 pp. 8°.
- Report of an examination of the books and accounts of the treasury of the state..., with reference to the defalcation therein of Charles H. Phelps, made by order of Gov. Dix, in Oct. and Nov., 1873. By W. E. Warren, public auditor, etc. New York: Evening Post Steam Presses, 1874. 55 pp. 4°.
- General savings bank law . . . Passed May 17, 1875. Albany : Weed, Parsons & Co., prtrs., 1875. 27 pp. 8°.
- Report of the commissioners on the revision of the statistics relating to banks, banking and trust companies of the state . . . Albany, 1881. 8°.
- Communication from the tax commissioners to Gov. Cornell. May 25, 1881. Albany: Weed, Parsons & Co., 1881. 10 pp. 4°.

- —— Special report upon the school fund and upon taxation and revenue. Transmitted Feb. 25, 1885. Albany, 1885. 18 pp. 8°.
- A compilation of constitutional provisions, statutes, and cases relating to the system of taxation in . . . New York. By J. T. Davies. New York: Troy Press Co., 1888. cxi, 494 pp. 8°.
- The general banking laws of ... New York, ... as revised ... 1890 and 1892. By E. A. Groesbeck, and C. C. Dickinson. *Albany*, 1892. 8°.

Report of a counsel [C. A. Collin and T. N. Fiero] to revise the tax laws of the state. *Albany*, 1893. 8°.

- Abstract of laws governing the assessment and taxation of lands, the sale of lands for unpaid taxes, and the redemption from and cancellation of such sales. Albany: James B. Lyon, 1894. 177 pp.
- The general tax law of New York as amended to the close of the special session of 1899 which adopted the franchise tax. Prepared by Geo. C. Lewis. New York and Albany: Wynkoop-Hallenbeck-Crawford Co., n. d. 96 pp. 8°.
- Report of the joint committee on taxation. Jan. 15, 1900. n. l. p. 16 pp. 5 tbls. 8°.
- An act to provide adequate revenue for the support of the state government otherwise than by direct taxation of the assessed valuations of real and personal property, and for a more equitable distribution of the burdens of taxation. Jan. 15, 1900. n. t. p. 37 pp. 4°.
- —— An act to amend chap. 37 of the general laws, known as "the banking law." Jan. 11, 1900. s. t. p. 11 pp. 4°. (Sen. 63.)
- An act to amend the banking law relative to securities in which deposits in savings banks may be invested. Jan. 10, 1900. n. t. p. 4 pp. (Sen. 41.)
- --- Same. Jan. 11, 1900. (Assem. 67.)
- The tax law of the state of New York, being Laws 1896, chap. 908, entitled "An act in relation to taxation, constituting ch. 24 of the General Laws"... 1901. Bender ed. *Albany*, 1901. 168 pp. 8°.

## North Carolina.

## Periodical.

[Annual report of the auditor.] Report from the comptroller's department to the governor for the fiscal year ending Nov. 1, 1839, 1840, 1842, 1847. Raleigh, 1840-48. 8°. (In: Executive, etc., documents.)

Title changes to:

Report of the comptroller of public accounts for the fiscal year ending Oct. 31, 1849-56, Sept. 30, 1857, 1863-66. Raleigh, 1850-67. 8°. (Ibid.) Title changes to:

Annual report of the auditor of public accounts for the fiscal year ending Sept. 30, 1868-71, 1873-74, 1879-82, Nov. 30, 1883-99. Raleigh, 1869-1900. 8°. (Ibid.)

- —— Same. Separate, 1847, 1853-57, 1868, 1870, 1871, 1879-80, 1882, 1884-85, 1887, 1891-99. Raleigh, 1847-1900. 8°.
- Report [annual] of the public treasurer to the legislature, 1842, 1848, 1850, for the fiscal year ending Nov. 1, 1852, [biennial] 1854, 1856, [an-

North Carolina, cont'd.

nual] Sept. 30, 1863, 1866, 1868-74, [biennial] 1876-82; Nov. 30, 1884-98. Raleigh, 1842-98. 8°. (In: Executive, etc., documents.)

— Same. Separate, 1854, 1868, 1872–86, 1890–1900. Raleigh, 1854–1901. 8°.

Report for 1808 contains a list of the treasurers from 1775 to

# Non-Periodical.

- Debate on the bill for establishing a bank of the state, in the Senate and House of Commons of N. C., in Dec., 1829. Raleigh: J. Gales & Son, prtrs., 1830. 90 pp. 8°.
- An act passed to re-charter the Bank of Cape Fear. Passed at the session of 1833/4. n. t. p. 8 pp. 8°.
- Report of the committee on the suspension of specie payments by the banks. Jan. 6, 1841. Raleigh, 1841. 29 pp. 8°.
- · Report of the commission to investigate charges of fraud and corruption, under act of assembly, session 1871/2. Commissioners W. M. Shipp, J. B. Batchelor, and J. G. Martin. Raleigh: state prir., 1872. 577 pp. 8°.
  Known as the "Shipp Commission."

- Argument of the executive committee of bond-holders of the state [to the General Assembly]. Raleigh: Raleigh News, public prtr., 1877. 24 pp.
- Report of the tax commission and accompanying bills. Raleigh: P. M. Hale, 1886. 111 pp.
- Revenue act and machinery act. Session 1889. n. p., n. d. 72 pp. 8°.

North Dakota. Report [1-6] of the auditor to the governor for the year ending Oct. 31, 1890; for the biennial fiscal period ending Oct. 31, 1892; June 30, 1894-1900. Bismarck, 1890-1900. 8.
All reports, except the first biennial, contain a record of the annual proceedings of the state board of equalization, with abstracts of the assessment of property and the tax lists.

- Report [1-6] of the treasurer to the governor for the year ending Oct. 31, 1890, for the biennial fiscal period ending Oct. 31, 1892, June 30, 1894-1900. Bismarck, Jamestown, Grand Forks, 1890–1900. 8°.

# Ohio.

# Periodical.

Annual report of the auditor of state to the general assembly for the fiscal year ending Nov. 15, 1836–37, 1839–47, 1851, 1853–54, 1856–97. Columbus, Cincinnati, [1828–]97. 8°. (In: Executive documents.)

- Same. Separate, 1835-45, 1850, 1854, 1856-60, 1863-87, 1889-1901. Columbus, Cin-

cinnati [1835-]1001. 8°.
Reports before 1836 are to be found in the Senate and House
Journals. From 1895 each report contains a list of the auditors since 1803.

Annual report of the comptroller of the treasury for 1858-65, 1867-76. n. t. p. 8°. (In: Executive documents.)

Created by virtue of three separate statutes, viz.: "An Act to further provide for the better regulation of receipts, disbursements and safekeeping of the public revenues;"—"An Act to establish the Independent Treasury of the State of Ohio;"—and "An Act to provide for the semi-annual collection of taxes," all passed April 12, 1858. The office was abolished pursuant to act of March 25, 1876, the books of the office being transferred to the office of the Auditor of State.

- Annual report of the treasurer for the fiscal year ending Nov. 15, 1836-39, 1841-43, 1845-48, 1851, 1853, 1856-82, 1884-85, 1887-98. n. l. p. 8°. (In: Executive documents,)
- Same. Separate, 1835, 1843, 1866, 1868, 1871-72, 1875-80, 1882, 1887-91, 1893-1900. Columbus, Norwalk, [1835-]1900. 8°.

Reports before 1836 are in the Senate and House Journals. For 1854 and 1855, in place of annual reports, there is a "Detailed statement of the receipts and disbursements of the public money, etc." The report for 1865 has a digest of the acts establishing the independent treasury. From 1894 the reports have a list of treasurers from 1792.

- Proceedings of the several state boards of equalization assembled under the laws of Ohio previous to and inclusive of 1853, proceedings of the state board of equalization, 1859/60, 1870/1, 1880, 1890, 1900. *Columbus*, 1854-1900. 8°.

A reappraisement of property is made every ten years, and this board equalizes the rates.

The report for 1853 contains copies of the proceedings of the boards of 1826, 1835, 1841, 1846 and 1853. The report for 1890 contains the text of the statute defining the duties of the board.

- Report of the sinking fund commission for 1852-85, 1887, 1889-90. n. l. p. 8°. (In: Executive documents.)
- Same. Separate, 1865, 1867-77, 1880-81, 1883-85, 1890. Columbus, 1865-90. 8°.

Discontinued. The reports are called "semi-annual... for the fiscal year, "and contain under one cover the two semi-annual reports, continuously paged. Until 1860 they were made to close with Jan. 20 and July 20, respectively. Beginning with 1860 they close with May 15 and Nov. 15, respectively, in order that account year of this commission may be synchronous with the fiscal year of the state.

## Non-Periodical.

- Report of the committee on the subject of levying a tax on the capital of the U. S. Bank employed in Ohio. Columbus: David Smith, prtr. [1819?] 18 pp. 8°.
- Report of the joint committee . . . on the communication of the auditor . . . upon the subject of the proceedings of the Bank of the U.S. against officers of state in the United States circuit court. Columbus: P. H. Olmsted, prtr., 1820. 37 pp. 8°.
- Report of the joint committee of both Houses of the general assembly of Ohio, on the communication of the auditor of state upon the subject of the proceedings of the Bank of the U. S. against the officers of state, in the U. S. Circuit Court. Communicated by the Governor of Ohio for the consideration of the New Hampshire Legislature. Concord: Hill & Moore, 1821. 64 pp.
- Report of the standing committee on the currency. Presented in the Senate by Mr. King, January 16, 1838. Columbus: S. Medary, prtr., 1838. 22 pp. 8°.
- An act to incorporate the state bank of Ohio and other banking companies. Passed Feb. 24, 1845. Columbus: S. Medary, prtr., 1845. 33 pp. 8°.
- Report of the treasury commissioner on the condition of the state treasury . . . June, 1857. [Columbus, 1857.] 59 pp. 8°.
- Special report on the condition of the treasury. November 15, 1857. n. t. p. 5-20 pp. 8°.
- Minority report of the currency committee on the subject of free trade in money. In the House of Representatives, Jan. 22, 1859. Columbus: Nevins' Steam Prtg. House, 1859. 22 pp. 8°.

Ohio, cont'd.

The tax laws of Ohio, as codified and revised 1889, relating to assessment . . . by county auditors . . . Columbus : State Prtrs., 1889. 68 pp., 1 tab. 8°.

- The tax laws of Ohio, as codified and revised 1889, relating to assessment . . . by township and ward assessors . . . Columbus : State Prtrs., 1889. 36 pp. 8°.

Oklahoma. Biennial report [1-4] of the auditor to the governor for the fiscal period ending Nov. 30, 1892-98. Guthrie, 1892-98. 8°.

Report for 1892 contains the minutes of the territorial board of equalization; that for 1894 an appendix of agricultural statistics, and the remaining two reports the assessment of railroad and telegraph companies, and an appendix of census, agricultural and other statistics.

- Biennial report of the bank examiner of the territory, 1897/8. Guthrie, 1898. 8°.

- Biennial report [2-3] of the territorial treasurer to the governor for the fiscal period ending Nov. 30, 1894-96. Guthrie, 1894-97. 8°.

# Oregon.

## Periodical.

Biennial report of the treasurer for the fiscal period ending 1872-1900. Salem, 1872-1901. 8°.

There are territorial treasurer's reports in the "Oregon Archives." Report for 1800/00 contains list of state treasurers Archives." Report for 1899/00 contains list of state treasurers from admission of the state, 1899, to Jan. 1, 1901.

The material usually found in the reports of state auditors is, in Oregon, included in the reports of the secretary of state.

# Non-Periodical.

- Table showing the rate per cent. added to ... or deducted from, the assessed valuation of each class of real and personal property in Oregon, 1896. Salem, 1897. 27 pp. 8°.

# Pennsylvania.

# Periodical.

[Annual report of the treasurer.]

Pursuant to acts passed April 5, 1797; March 3, 1800.

Receipts and expenditures of the treasury. from Jan. 1 to Dec. 31, 1798. Philadelphia: Z. Poulson, jr., prtr., 1799. 61 pp. F°.

Bound with Senate Journal, 1798/9.

- Same, Jan. 1 to Nov. 29, 1800. Lancaster: F. Bailey, 1800. (3), 5-67 pp. F°.

Bound with Senate Journal, 1800/1.

· Receipts and expenditures for the fiscal year ending Nov. 30, 1802-1808, 1812. Lancaster, Harrisburg, 1802-1812. 8°. (In: Senate Jols.)

Title changes to:

Detailed statements of the treasurer on the receipts and expenditures for the fiscal year ending Nov. 30, 1844-49. n. t. p. 8°. (In: Executive documents.)

Title changes to:

Annual report of the treasurer showing receipts and payments for the fiscal year ending Nov. 30, 1851-53. n.t.p. 8°. (Ibid.)

Title changes to:

Detailed report on the receipts, etc., for the fiscal year ending Nov. 30, 1853, 1855, 1863-66, 1868, 1870-83. n. t. p. 8°. (Ibid.)

- Same. Separate, 1825, 1829, 1834, 1838-42. Harrisburg, Bedford, 1825-42. 8°.

With the merging of the two sets of the collected documents of Pennsylvania into the one set called "official documents,"

the "detailed report of the treasurer, etc.," and the "Annual report of the treasurer on . . . finances" were merged into one report, with the title, "Annual report of the treasurer, etc."
This merging of the two reports took place several years earlier in the separate issues, but, in the absence of a perfect file of both the collected documents and the separate issues it is difficult to make a definite description.

#### Continued as :

Annual report of the treasurer [with detailed report] for the fiscal year ending Nov. 30, 1884-1887, 1889-97. n. t. p., Harrisburg, 1897. 8°. (In: Official documents.)

- Same, separate, 1878-80, 1882-1900. Harrisburg, 1879-1901. 8°.

# [Annual report of the treasurer.]

Pursuant to act passed March 16, 1832, authorizing the treasurer to prepare and lay before the General Assembly at the commencement of every session a report on the subject of finance, containing estimates of the public revenue and public finance, containing estimates of the public revenue and publi expenditures, plans for the support of the public credit, etc."

- Report of the state treasurer on the subject of finance to the legislature for the fiscal year ending Oct. 31, 1834-39, Nov. 30, 1840-41, 1843-49, 1851-52. \*\*. 1. 2. 8°. (In: Senate Jols.)

—— Same, 1832, 1835–36, 1838–39, Nov. 30, 1841, 1843–52. \*\*. t. p. 8°. (In: House Jols.) Continued as :

Report of the treasurer on the finances for the fiscal year ending Nov. 30, 1853-56, 1859, 1863-83. \*\*. !. p. 8°. (In: Legislative documents.)

- Same. Separate, 1851, 1853, 1859, 1863, 1869, 1875, 1876. n. t. p., Harrisburg 1854-77.

The earlier issues of these separates have a half title the wording of which varies, being "Financial report, etc.," "Financial statement, etc.," and "Annual report state treas-

"Hannelal statement, etc.," and "Annual report state treasurer, etc."
After 1876 these separate issues were merged with the "Detailed report, etc." For note see above under "Detailed report, etc."

Continued as :

Annual report of the treasurer [with detailed report | for the fiscal year ending Nov. 30.

port J for the fiscal year ending Nov. 30.

For collation see above under "Detailed report, etc."

A list of the state treasurers of Pennsylvania from 1777 to date, and the duties appertaining to the office as at present constituted, are given in Smull's Legislative Hand Book.

The check list of "Lawa, minutes, journals and documents, published by Pennsylvania, 1682-1889," printed in the annual report of the state librarian for 1889, would make it appear that the treasurer's and auditor's reports appear regularly as separately-paged appendices in the House or Senate journals. From the fact that the copies of the Senate journals in this library covering the years from 1813/4 to 1824/5 do not contain the financial reports as shown in the check list, it may be safe to assume that there were at least two editions of the journals, or, if not, that the one edition was not made up unijournals, or, if not, that the one edition was not made up uniformly. By note, p. 151, House Journal of 1844, and elsewhere, it would appear, also, that these journals were sometimes printed in both English and German.

[Annual report of the auditor general on the finances.] Report of the register general on the state of the finances . . . for the year 1798. Philadelphia: Z. Poulson, Jr., 1799. 17 pp. F°.

- Same, from Jan. 1 to Nov. 30 1800. Lancaster: F. Bailey, 1800. 25 pp. F°.

Pp. 14-25 printed 13-25.

Continued as:

Annual report of the auditor general on the finances for the fiscal year ending Nov. 30, 1844-53, 1863-66, 1868, 1870-97. Harrisburg, 1844-98. 8°. (In: Executive and official documents.)

Pennsylvania, cont'd.

- Same. Separate, 1843, 1853-54, 1863, 1868, 1871-75, 1879-1900. Harrisburg, 1843-1900. 8°.

The first report of the auditor general is for the year 1800. "he "Check list of documents, etc., of Pennsylvania" would have it appear that from this time to 1824 these reports were regularly issued as appendices to the Senate journal. The library copies of the Senate journals lack these appendices. norary copies of the Senate journals lack these appendices. It appears, however, from notes in the journals that during these years and the time when they reappear in the executive documents they were issued as account documents they were issued as separates on an average in an edition of 600 copies.

A list of the auditors general of Pennsylvania and the powers and duties of the office, as at present constituted, are given in Smull's Legislative Hand Book,

[Annual report of the commissioner of banking.] Returns to the auditor general's office of the several banks [later, and savings institutions, added] for 1814-24, 1828-30, 1832-34, 1836-39, 1841-52. n. t. p. 8°. (In: House Jols.)

Continued as:

Reports of the several banks and savings institutions to the auditor general for 1853-56, 1859, 1863-84. n. t. p. 8°. (In: Legislative documents.)

- Same, for 1886-87, 1889-91. n. l. p. 8°. (In: official documents.)

- Same. Separate, 1844, 1848, 1854–55, 1862, 1874, 1876, 1880, 1882, 1884-86, 1889-91. Harrisburg, 1844-92. 8°.

Continued as:

[Annual report of the banking department.] Annual report [1-3] of the superintendent of banking to the legislature for the fiscal year ending Nov. 30, 1892-94. [Harrisburg,] 1893-95. 8°. Continued as:

Annual report [1-3] of the commissioner of banking [4-6 of the banking department] for the fiscal year ending Nov. 30, 1895-97. Harrisburg, 1896-98. 8°. (In: Executive documents.)

- Same. Separate, 1-5, 6 pt. 2, 7-9 pt. 1, 1895-96, 97 pt. 2, 98-1900 pt. 1. Harrisburg, 1896-1901. 8°.

The earlier bank reports are made in pursuance of act passed March 21, 1814, entitled "An Act regulating banks."

The Banking Department was created by act approved June 8, 1891, and its executive powers were enlarged and extended by act approved Feb. 11, 1895. Duties and obligations of the commissioner, and the rules of practice of the department, as at present constituted, are given in Smull's Legislatuve Hand Book.

- Annual report of the commissioners of the sinking fund for 1859, 1863-84. n. t. p. 8°. [In: Legislative documents.
- Same, 1886-93, 1896-97. n. t. p. 8°. (In: official documents.)
- Same. Separate, 1883, 1889-95, 1897-1900. Harrisburg, 1884-1901. 8°.

Made in pursuance of act approved April 22, 1858, entitled "An Act to establish a sinking fund for the payment of the public debt."

## Non-Periodical.

 Debates and proceedings of the . . . assembly . . . on the memorials praying a repeal or suppression of the laws annulling the charter of the Bank [of North America]. [Edited by] M. Carey. Philadelphia: Carey and Co., Seddon and Pritchard, 1786. 2 p. l., 132 pp. 8°.

- Report of the arrears of taxes due from the several counties . . . and some remarks thereon. By the comptroller general. Philadelphia: Prtd. by Z. Poulson, jr., 1799. 8 pp. F°.
- Report by the committee on banks on the currency of Pennsylvania . . . on increasing the number of banks and banking capital in the state, and the probable effect upon the currency . . . of a dissolution of the Bank of the United States. . . . Harrisburg: H. Welsh, prtr. 1833. 14 pp. pap.
- Report of the auditor general in relation to the circulation of paper currency, under the de-nomination of five dollars. Read in the House, ... March 13, 1838. Harrisburg: Packer, Barrett and Parke, prtrs., 1838. 28 pp. 8°.
- Majority and minority reports of the joint committee of the Senate and House . . . relative to an investigation into any corrupt means which may have been employed by the banks, or their agents, for the purpose of influencing the action of the legislature, or any other department of government, in regard to any legislation for their benefit. Harrisburg: Henlock & Bratton, prtrs., 1842. 360, iii

- A tabular statement relative to state tax on real and personal estate, and to common schools ... February 7, 1848. Harrisburg: J. M. G. Lescure, prtr., 1848. 16 pp. 8°.

- The True Commercial and Revenue Policy of Pennsylvania. Speeches by A. K. McClure on the Act for the continuation of tonnage duties upon all the internal improvements of the state. Delivered in the Senate of Penn., Feb. 26 and 27, 1861. n. t. p. 30 pp. 8°.
- Report of a joint committee upon the conduct of the financial affairs of the commonwealth from 1838 to 1843. Harrisburg: L. S. Hart, prtr., 1878. 21 pp. 8°.
- A synopsis of the tax laws of Pennsylvania. Compiled by F. M. Eastman. Harrisburg: state prtr., 1892. 16 pp. 12°.
- Acts of the general assembly of Pennsylvania (since 1879) to provide revenue by taxation. Harrisburg, 1896. 25 pp. 8°.
- Tax on capital stock. Opinions of the Court of Common Pleas of Dauphin County, and the Supreme Court of Pennsylvania, construing the acts of assembly imposing tax on capital stock. [Harrisburg,] 1898. 56 pp. 8°.

# Rhode Island.

## Periodical.

Annual report of the state auditor to the general assembly for 1863, 1864, for the period ending Nov. 30, 1870, April 30, 1873-78, Dec. 31, 1878-98. Providence, 1864-99. 8°. (In: Acts, Resolves and Reports.)

- Same. Separate, 1870, 1882, 1884-91, 1893-08. Providence, [1871-]99. 8°.
- A list of state auditors from 1856 to date is given in the R. I. Manual.
- Annual statement of the condition of the banks and institutions for savings, prepared by the state auditor, for the year ending Nov. 1863-64. 1867, Dec., 1870, 1872-1898. Providence, 1864-99. 8°. (In: Acts, Resolves and Reports.)

## Rhode Island, cont'd.

—— Same. Separate, 1863–64, 1867, 1870, 1872–74, 1876–80, 1882, 1884–89, 1891, 1893, 1895–1901. *Providence*, 1864–1901. 8<sup>6</sup>.

None issued for 1865-66, 1867-68, 1871. Ed. 2 of 1896, eds. 1-2 of 1897, ed t of 1898, 1901. Since 1891 there is included in each annual report a "Statement of Trust Cos.," and a "Table of Trust Cos.," and, since 1894/5, a "Statement of foreign and domestic building and loan associations." From 1893 the reports have an appendix setting forth the laws of R. I. in relation to banks and institutions for savings, and that for 1895 contains the laws relating to co-operative building associations.

- Annual report of the treasurer to the general assembly for the period ending Nov. 30, 1874-76, April 30, 1877-78, Dec. 31, 1878-98. *Providence*, 1875-99. 8°. (In: Acts, Resolves and Reports.)
- —— Same. Separate, 1874-89, 1891-1901. Providence, 1875-1902. 8°.

The date on the t. p. is for January session of the year succeeding year as given above. A list of treasurers of R. I. from 1640 to 1808 is given in the R. I. Manual.

#### Non-Periodical.

— Report of the special commission to visit and examine the Cranston Savings Bank...1874. Providence: Providence Press Co., 1874. 7 pp. 8°.

# South Carolina.

## Periodical.

Annual report of the comptroller general to the general assembly for the fiscal year ending Sept. 30, 1809-29, 1831-38, 1841-63, 1865-66; Oct. 31, 1867-75, 1877-95; Dec. 31, 1896-97. Columbia, [1809-]98. 8°. (In: Reports and Resolutions.)

- Same. Separate, 1827, 1847, 1851, 1862, 1868-69, 1871, 1874-75, 1878-85, 1887, 1889-91, 1893-98, 1900. n. t. p.; Columbia, 1847-1901. 8°.
- Same. Supplementary report, 1879, 1881. Columbia, 1879-82. 8°.
- Annual report of the treasurer to the comptroller for the fiscal year ending Oct. 31, 1873-95, Dec 31, 1896-97. *Columbia*, 1874-98. 8°. (In: Reports and Resolutions.)
- Same. Separate, 1876-82, 1884-85, 1889-91, 1893-95, 1896-98, 1900. *Columbia*, 1876-1901. 8°.
- —— Same. Separate, 1881, 1884, 1888-90, 1892, 1895, 1896-97. *Columbia*, 1881-98. 8°.

Organized March 2, 1870, pursuant to "An Act to provide for a sinking fund, etc.," approved March 1, 1869.

## Non-Periodical.

- The report of the committee of the Commons House of Assembly of the province of South-Carolina, on the state of the paper currency of the said province. *London: Tho. Wood*, 1737. 36, 10 pp. 4°.
- An Act for raising and paying into the Public Treasury of this State, the Tax therein mentioned for the Use and Service thereof. n. t. p. [1783.] 10 pp. F°.

- Report of the state bank committee to the Senate of South Carolina on the examination of the state bank in Charleston. (Thos. S. Grimke, chrm.) n. p.: D. and J. M. Faust, prtrs. [1827.] 8 pp., I tab. 8°.
- —— Report of comptroller general, Alexander Speer, to the legislature on the claims of the state against the United States on account of expenditures made during the last war. n. p. [1827.] 7 pp. 8°.
- Message of Governor Allen Trimble on the reports of the governors of Virginia, Mississippi, Missouri, and Kentucky, on the subject of tariff and internal improvements. Dec. 15, 1829. Columbia, 1829. 20 pp. 8°.
- The bank case. A report to the legislature of the proceedings in the cases of the bank of South Carolina, and the bank of Charleston, upon scire facias to vacate their charters, for suspending specie payments..., in the years 1842 and 1843. Charleston: W. Riley, 1844. v, 550 pp. 8°.
- Report of the joint special financial investigating committee appointed by the General Assembly . . . , 1870-71. \*\*. p. [1871.] (1), 297 pp. 8°
- Report of the committee to investigate the financial condition of the state. [n. p., 1871.] 867-879 pp. 8°.
- Forfeited land list [1-2]; assets of the state in charge of the Sinking Fund Commission and in custody of the Secretary of State. Issued by the Sinking Fund Commissioners. *Columbia*, 1881-82.
- Statement of pardons and commutations granted by J. P. Richardson, governor of the state of South Carolina. *Columbia*, 1888. 44 pp. 8°.

South Dakota. Annual report of the state auditor to the governor for the fiscal year ending Nov. 30, 1890.

Continued as:

Biennial report for the fiscal period ending June 30, 1892-1900. Alexandria, Brookings, Huron, Pierre, 1890-1900. 8°.

The reports all contain abstracts of the assessment rolls returned to the auditor as equalized by the state board of equalization, and the reports for 1899 and 1900 contain also the proceedings of this board.

— Annual report [5, 7] of the public examiner to the governor for the fiscal year ending June 30, 1892, 1894. *Pierre, Sioux Falls*, 1892-94. 8°. Continued as:

Biennial report . . . for the fiscal period ending June 30, 1896-98. *Pierre*, 1896-99. 8°.

Report for 1892 contains a synopsis of the state banking law. Report for 1898 is called "Third biennial."

— Report of the state treasurer to the governor for the fiscal year ending Nov. 30, 1890; for the biennial fiscal period ending June 30, 1892; for the fiscal year ending June 30, 1893, 1895-96, 1898-1901. Sioux Falls, Pierre, Deadwood, Huron, 1891-1901. 8°.

# Tennessee.

## Periodical.

Biennial report of the comptroller of the treasury to the general assembly for the fiscal period ending Sept. 30, 1857-59, 1865-67, 1871, Dec. 19, 1872-78, 1882-88. Nashville, 1857-88. 8°. (In: Public documents.)

—— Same. Separate, 1857-59, 1865, 1872-74, 1878-1900. Nashville, 1857-1901. 8°.

The report for 1864/5 is an annual report; the report for 1871/2 is for the 15 months ending Jan. 1, 1873; the report for 1872 is for the calendar year 1872. From 1876 to 1892 the reports contain a list of comptrollers from 1836 to date.

- Biennial report of the treasurer to the general assembly for the fiscal period ending Sept. 30, 1857-59, 1865-67, 1871; Dec. 19, 1872-78, 1882-88. *Nashville*, 1857-88. 8°. (In: Public documents.)
- Same. Separate, 1857-59, 1865, 1874, 1878, 1884-90, 1896-1900. *Nashville*, 1857-1901. 8°.

Report for 1865 is called "Special"; report for 1871/2 is for the 15 months ending Jan. 1, 1873.

#### Non-Periodical.

- Report of the joint select committee to investigate the offices of comptroller and secretary of state, and to ascertain the free bank securities and what interest has been improperly paid by the State.

  Made August II, 1858. Nashville: E. G. Eastman & Co., prtrs., 1858. 231 pp. 8°.
- Report of the joint select committee upon the interest laws. (R. G. Payne, chrm.) Nashville: E. G. Eastman & Co., public prtrs., 1859. 10 pp. 8°.
- Assessment law of the state . . . as amended by the extra session of 1890, and by the session and extra session of 1891. By Jas. A. Harris, Comptroller. Nashville: Brandon Prtg. Co., 1895. 40 pp. 8°.

# Texas.

## Periodical.

Report of the comptroller of public accounts for the [biennial] period ending Oct. 31, 1857; Aug. 31, 1869, [annual] 1870, 1873-74, 1880, [biennial] 1882, [annual] 1883-84, [biennial] 1886, [annual] 1887-1901. Austin, Galveston, Houston, 1858-1902. 8° and 4°.

— Annual report of the treasurer for the fiscal year ending Aug. 31, 1869, 1874-76, 1878, [biennial] 1880, [annual] 1884, [biennial] 1886-90, [annual] 1900. Galveston, Austin, 1870-1900. 8°.

# Non-Periodical.

- —— Supplemental report of the state treasurer [embracing receipts and disbursements from Aug. 31, 1874, to Dec. 31, 1874]. Jan. 1, 1875. Austin: Cardwell & Walker, n. d. 3 pp. 8°.
- Supplemental report of the comptroller of public accounts. Jan. 1, 1875. Austin: Cardwell & Walker, n. d. 11 pp. 8°.
- Message of Gov. O. M. Roberts on appropriations and expenditures under control of the Governor... Galveston: News, Book & Job Office, prtrs., 1881. 23 pp. pap. 8°.
- Special report of the comptroller... for the year ending August 31, 1881, with supplemental report to Feb. 28, 1882. Galveston: A. H. Belo & Co., 1882. 33 pp. 8°.

- —— Supplemental report of the comptroller... giving estimates of revenue receipts and expenditures for two fiscal years ending Aug. 31, 1881, and 1882. Galveston. Galveston News... Prig. Establishment, 1881 [sic]. 8 pp. 4°.
- Message from the Governor [on taxation, to the legislature of the special session of 1899.] n. t. p. [1899] 16 pp. 8°.

Utah. Report [annual] of the auditor for the year ending Dec. 31, 1872-77, [biennial] 1887, 1893, [annual] 1896, [biennial] 1898-1900. Salt Lake City, 1872-1901. 8°.

Report for 1872-77 are included in messages of the governor; report for 1887 includes treasurer's report.

- Report of the board of equalization 1890/1, 1892/3, 1897/8. Salt Lake City, 1892-99. 8°. Organized June 16, 1890.
- Report [annual] of the treasurer for the period ending Dec. 31, 1872-73, [biennial] 1875-77, 1887, 1899-1900. Salt Lake City, 1872-1901. 8°.

# Vermont.

## Periodical.

Annual report of the auditor of accounts to the general assembly for the fiscal year ending Aug. 31, 1867-69.

## Continued as:

Biennial report [1-14] for the fiscal period ending July 31, 1872-88, June 30, 1890-98. Rutland, Montpelier, 1872-98. 8°. (In: Legislative documents.)

—— Same. Separate, 1842/3, 1844, 1850-66, 1890-1900. Woodstock, Montpelier, Rutland, Burlington, Albany, 1843-1900. 8°.

Until 1867 each report includes the reports of the treasurer, the bank commissioner, the state prison, the insane asylum, a list of state beneficiaries, and a statement from the inspector of finance. From 1868 to 1876 there are no bank commissioners' reports, but similar statements arranged by the auditor. From 1878 to 1900 the report of the inspector of finance is practically similar to the former bank commissioners' reports. In 1878 the condition of trust companies is shown, and, from 1895/5, the report includes the condition of building and loan associations.

Office established 1907. The Version Lexical size Thing

Office established 1797. The Vermont Legislative Directory gives a list of auditors from 1797 to date.

— Annual report of the bank commissioner to the auditor of public accounts for the fiscal year ending Aug. 31, 1844, 1850-67. [Bennington,] Montpelier, Burlington, Rutland, 1844-67. 8°.

See note under auditor.

- —— Annual report of the inspector of finance to the auditor of state for the year ending June 30, 1877-98. Montfelier, Rutland, Burlington, Albany, 1878-98. 8°. (In: Legislative documents.)
- Same. Separate, 1889-1900. Burlington, Rutland, Albany, 1889-1900. 85.

On condition of savings banks and trust cos.; in 1802 reports on investment cos. are added, and, in 1896, on building and loan associations.

- Biennial report of the commissioner of state taxes to the general assembly for the fiscal period [of the commission] ending Aug. 31, 1883-98. Montpelier, Rutland, Burlington, Albany, 1884-98. 8°.
- —— Same. Separate, 1886-87. Rutland, 1886-88. 8°.
- --- Report [annual] of the treasurer to the auditor for the fiscal year ending Aug. 31, 1869,

Vermont, cont'd.

July 31, 1872-88, June 30, 1890-98. Montpelier, Rutland, Burlington, Albany, 1869-98. 8°. (In: Legislative documents.)

— Same. Separate, 1869, 1874, 1878-80, 1886-1900. Montpelier, Rutland, Burlington, Albany, 1869-1900, 18°.

For reports previous to 1867 see note under Auditor. A list of treasurers of Vermont from 1778 is given in the Vt. Legislative Directory.

# Non-Periodical.

- General laws relating to taxation, in force Aug. 1, 1895. Title 10, statutes. Rutland: Tuttle Co., 1895. 132-174 pp. 8°.

- General laws relating to banks, in force Aug. 1, 1895. Title 27, Vt. statutes. Rutland: Tuttle Co., 1895. 716-747 pp. 8°.

# Virginia.

## Periodical.

Report [annual] of the auditor of public accounts to the governor for the fiscal year ending Sept. 30, 1822-53, [biennial] 1856-63, [annual] 1864-66, 1871-74, 1876-99. *Richmond*, 1822-99. 8°. (In: Journals and Annual reports.)

— Same. Separate, 1864, 1872-74, 1876, 1878, 1885, 1891, 1893-99. *Richmond*, 1864-99. 8°.

- Report [annual] of the second auditor to the governor for the fiscal year ending Sept. 30, 1822-53, [biennial] 1856-63, [annual] 1864-66, 1871-99. [Richmond, 1822-]99. 8°. (In: Journals and Annual reports.)

- Same. Separate, 1871, 1873-75, 1888-89,

1892, 1894-1900. Richmond, 1871-1900. 8°. At first these reports deal only with the literary fund of the state; later with the public debt alone; still later, they include both statements of the literary fund and of the public debt; and, from 1875 they include also the report of the commissioners of the sinking fund.

- Report [annual] of the treasurer to the governor for the fiscal year ending Sept. 30, 1822-53, [biennial] 1856-63, [annual] 1864-66, 1871-99. [Richmond, 1822-]99. 8°. (In: Journals and Annual reports.)
- Same. Separate, 1874-80, 1885, 1891, 1893-1900. Richmond, 1874-1900. 8°.

## Non-Periodical.

- State of the public taxes. Payable for the Year 1786 within the Commonwealth of Virginia-Issued by the Treasurer's Office. [Richmond, 1787.] II. F.

· On a motion made, (in the House of Delegates.) Ordered, that the following abstract and statement of the public revenue . . . as prepared by Mr. William Ronald . . . be published . . . Monday, Jan. 7, 1788. Il. F°.

- Laws in relation to commissioners and collectors of the public revenue . . . now in force. Published by J. M. Bennett, auditor of public ac-Richmond: Enquirer . . . Office, 1860. counts. 205 pp. 8°.

- Financial statement and suggestions relative to defects in the revenue laws, by J. M. Bennett, auditor of public accounts. Richmond: Ritchie and Dunnavant, 1861. 104 pp. 8°.

- Message of Gov. Gilbert C. Walker to the legislature relative to the financial condition of the

commonwealth. March 8, 1870. n. p. [1870.] 37 pp. 8°.

- Communication from the Governor [G. C. Walker] upon state finances [Jan. 13, 1873]. n. p., n. d. 15 pp. 8°.

- Laws in relation to commissioners and collectors of the public revenue, &c., now in force, containing suggestions to and forms for clerks of courts. By Wm. F. Taylor, auditor of public accounts. Richmond: R. F. Walker, supt. pub. prtg., 1873. 229 pp. 8°.

- Message of Governor J. L. Kempner . . . to the general assembly, on finances and the state debt. Richmond: R. F. Walker, supt. pub. prig., 1874. 13 pp. 8°.

- Report of the finance committee to the Senate on the public debt of Virginia. [Prepared by] Bradley T. Johnson [a member of said committee]. Richmond: J. E. Goode, prir., 1878. (1), 36 pp. 8°.

- Laws in relation to commissioners and collectors of public revenue, &c., containing suggestions to and forms for clerks of courts, 1880 and 1881. Published by John E. Massey, auditor of public accounts. Richmond: R. F. Walker, supt. pub. prtg., 1881. 376 pp. 8°.

- Laws in relation to commissioners and collectors of public revenue, &c., . . . 1882. Published by S. Brown Allen, auditor of public accounts. Richmond: R. F. Walker, supt. pub. prtg., 1882. 480 pp. 8°.

# Washington.

## Periodical.

Biennial report [1-2] of the state board of audit and control for the period ending Sept. 30, 1898-1900. Olympia, 1898–1900. 8°.

Annual report of the state auditor to the legislature for the fiscal year ending Oct. 31, 1890. Continued as:

Biennial report of the fiscal year ending Oct. 31, 1892-1900. Olympia, 1890-1900. 8°.

Created by constitutional provision of 1880. Each report contains the annual proceedings of the state board of equalization. Since 1898 the reports include returns of the condition of state banks, and a list of building and loan associations authorized to transact business in the state. A list of territorial auditors from 1858 to statehood is given in Barton's Legislative Handbook.

- Minutes and official proceedings of the state board of equalization, 1890-1900. (In: Auditor's report.)

– Same. Separate, 1893, 1897–98. Olympia, 1893–98. 8°.

- Annual report of the state treasurer for the fiscal year ending Sept. 30, 1890.

# Continued as:

Biennial report for the fiscal period ending Sept. 30, 1892-1900. Olympia, 1890-1900. 8°.

Created by constitutional provision of 1889. A list of territorial treasurers from 1854 to statehood is given in Barton's Legislative Handbook.

# Non-Periodical.

- Revenue law of the state... 1897, with amendments, additions and supplementary acts passed . . . 1899. 1899. 69 pp. 8°. Olympia: G. Hicks, state prtr.,

#### West Virginia.

Periodical.

Annual report of the auditor for the fiscal year ending Sept. 30, 1867, 1870.

Continued as:

Biennial report for the fiscal year ending Sept. 30, 1880-82, 1890-94. Wheeling, Charleston, 1868-94. 8°. (In: Message and documents.)

— Same. Separate, 1862, 1866, 1872, 1878, 1884-96. Wheeling, Charleston, 1862-96. 8°.

Since 1866 these reports contain an abstract of the registry of births, deaths and marriages; since 1878 statements of condition of insurance companies. From 1891 they include the bank examiner's report, for collation of which see below. The report for 1896 includes a list of auditors and treasurers from 1863 to date.

— Annual report of the treasurer for the fiscal year ending Sept. 30, 1867, 1870.

Continued as:

Biennial report for the fiscal year ending Sept. 30, 1880-82, 1890-94. Wheeling, Charleston, 1868-94. 8°. (In: Message and documents.)

— Same. Separate, 1873-78, 1886, 1890-98. Charleston, 1874[-98]. 8°.

— Annual report [1, 3-6] of the state bank examiner for the fiscal year ending Sept. 30, 1891, 1893-96. *Charleston*, 1891-96. 8°.

These reports are bound with the reports of the auditor, 1892-06.

#### Non-Periodical,

- Report [to Gov. J. J. Jacob] of the debt commissioners of the state . . . , appointed to treat with Virginia in regard to the debt of that state prior to Jan. 1, 1861. Charleston: H. S. Walker, pub. prir., 1872. 36 pp. 8°.
- Report of the Senate finance committee on the Virginia debt, Dec. 22, 1873 [including 1. report of Debt Commissioners, 1871]. *Charleston:* H. S. Walker, prtr. [1874] 44 pp. 8°.
- —— Preliminary report of the tax commission [to Gov. Jacob B. Jackson]. By E. A. Bennett, chairman. n. p. [1884.] 52, vi pp. 8°.

Wisconsin. Annual report of the bank comptroller to the governor for the fiscal year ending Dec. 31, 1854-58, Sept. 30, 1859-65, 1867, 1869. Madison, 1855-69. 8°. (In: Message and documents.)

— Same. Separate, 1854, 1856, 1859. Madison, 1855[-59]. 8°.

Created by chap. 479, laws 1852; abolished Jan. 3, 1870, chap. 28, laws 1868. Work of the department transferred to office of state treasurer.

— Annual report of the state treasurer to the governor for the fiscal year ending Dec. 31, 1848–58, Sept. 30, 1859–65, 1867, 1869–82.
Continued as:

Biennial report for the fiscal year ending Sept. 30, 1884-96. *Madison*, [1849-]96. 8°. (In: Journals, and Message and documents.)

— Same. Separate, 1859, 1869, 1872-1900. Madison, [1859-]1900. 8°.

Reports of territorial treasurers and auditors are in the Assembly Journals. From 1870 these reports include the bank statements, formerly made by the bank comptroller. A list of state treasurers from 1848 is in the Wisconsin Blue Book.

— Annual report of the secretary of state [as ex-officio auditor] for the fiscal year ending Dec. 31, 1848-58, Sept. 30, 1859-65, 1867, 1869-82. Continued as:

Biennial report for the fiscal year ending Sept. 30, 1884-96. *Madison*, [1848-]96. 8°. (In: Journals, and Message and documents.)

- —— Same. Separate, 1859, 1869, 1871-75, 1877-98. *Madison*, [1859-]98. 8°.
- A list of secretaries of state from 1848 is in the Wisconsin Blue Book.
- Semi-annual statement of the condition of state banks, and private banks and bankers in Wisconsin, Jan., 1883, 1887, 1889, 1895, July, 1896, Jan., 1897-98, Jan., July, 1899, Jan., 1900. *Madison*, 1883[-1900]. 8°.

**Wyoming.** Annual report of the territorial auditor to the governor for the fiscal year ending Dec. 31, 1887, Sept. 30, 1889.

Continued as:

Annual report of the state auditor for the fiscal year ending Sept. 30, 1891-98.

Continued as:

Biennial report for the fiscal period ending Sept. 30, 1900. Cheyenne, Laramie, 1888-1900. 8°.

- Annual report of the state treasurer to the governor for the fiscal year ending Sept. 30, 1892-98. Continued as:

Biennial report for the fiscal period ending Sept. 30, 1900. Cheyenne, 1892-1900. 8°.

Since 1804 reports contain a list of treasurers from date of territorial organization in 1869. In 1808 treasurer calls attention to the fact that reports covering years when legislature is not in session are never printed, and yet these are the more important ones, as they note the expenditures of the previous legislature, and he recommends, therefore, the issuing of biennial reports.

# CHECK LIST OF AMERICAN MUNICIPAL OFFICIAL DOCUMENTS RELATING TO FINANCE IN THE NEW YORK PUBLIC LIBRARY.

\*\*\* This list includes all the financial reports of cities having a population of 50,000, or over, according to the census of 1900, and a selection of the remaining cities or towns. A list of foreign documents relating to finance was printed in the *Bulletin*, December, 1901, volume 5, pages 457 to 486. All items here noted are located in the Astor branch.

Akron (O.) Annual report of the city clerk [being a detailed statement of the receipts and expenditures for the year ending the third Monday in March], 1883, 1885, 1887, 1889, 1891, 1894. n. l. p. 8°. (In: Reports of city of Akron.)

**Albany** (N. Y.) Annual report of the city chamberlain showing the receipts and expenditures, 1840/1, 1843/4, 1848/9, 1850/1, 1853/4, 1856/7, 1897/8. *Albany*, 1841-98. 8°.

Report of the trustees of the sinking funds and the bonded debt, 1897-98. Albany, 1897-98.

Alexandria (Va.) Annual statement [101-120] of the finances for the fiscal year ending May 31, 1881-1900. n.t.p. Alexandria, 1882-1900. 8°.

Includes the auditor's annual statement of receipts and expenditures, statement of the condition of the public debt, treasurer's report, report of the sinking fund commissioners, and the revenue and license laws of Alexandria. Statements for 1883 and 1800 include a "Review of the public debt," made by F. L. Brockett and E. F. Price, city auditors. Statement for 1884 includes a history of the sinking fund prepared by F. L. Brockett. Statement for 1802 includes notes relating to the public debt, a history of the sinking fund and of the gas fund, prepared by E. F. Price.

Allegheny, city (Pa.) Report [32, 35-36] of the comptroller for the fiscal year ending Feb. 28, 1897, 1899–1901. Oil City, 1897–1901. 8°.

—— Same [10, 14-15, 17-25, 27-36] for 1874, 1878-79, 1881-90, 1892-1901. n. t. p. 8°. (In: Municipal reports of the city.)

Beginning with the year 1889 the fiscal year changes from the year ending Dec. 31, to the year beginning Mch. 1.

Allegheny, county (Pa). Annual report [36, 39-40] of the controller for the year ending Dec. 31, 1896, 1899-1900. Oil City, McKeesport, 1897-1901. 8°.

**Allentown** (Pa.) Controller's statement of the accounts of the treasurer for the fiscal year ending Dec. 31, 1895-98. n. t. p. 8°. (In: Mayor's message, etc., of the city.)

— Report of the commissioners of the sinking fund for the year ending Dec. 31, 1895-98. n. t. p. 8°. (Idem.)

Atlanta (Ga.) Annual report of the city controller for the fiscal year ending Dec. 31, 1890, 1893-99. n. l. p. 8°. (In: Annual reports of Committees of Council, etc.)

Until 1890 financial reports were made by the financial committees of the city council, and included in the Annual Reports of the Committees, etc. Of these the library has copies for the years 1884-86, 88-89.

— Report of the sinking fund commission for the year ending Dec. 31, 1899. n. t. p. 8°. (In: Annual reports of Committees of Council, etc.)

Organized April 5, 1899. See remarks concerning commission in Mayor Woodward's annual address of Dec. 31, 1899, and in comptroller's report for 1898.

**Auburn (Me.)** Annual report [7, 9-14, 17, 20, 23-24, 26, 28-31] of the receipts and expenditures for the fiscal year ending March 1, 1876, 1878-83, 1886, 1889, 1892-93, 1895, 1897-1900. *Lewiston*, 1876-79; *Auburn*, 1880-1900. 8°.

Includes the annual report of the city treasurer. Mayor Littlefield in his address to the city council of 1879 reviews the history of the public debt of Auburn.

Augusta (Ga.) Annual report of the collector and treasurer for the fiscal year ending Dec. 31, 1885-87, 1890-98. n. t. p. 8°. (In: Mayor's message and documents.)

--- Annual report of the auditor for the year ending Dec. 1890-98. n. t. p. 8°. (Idem.)

Baltimore (Md.) Annual report of the city collector for the fiscal year ending Dec. 31, 1894-97, 1899-1901. Baltimore, 1895-1902. 8°.

—— Same, 1857, 1869-75, 1877-1900. *Baltimore*, 1857-1901. 8°. (In: Mayor's message, etc.)

—— Annual report of the city comptroller for the fiscal year ending Dec. 31, 1895. Baltimore, 1896. 8°.

The office of comptroller was created by ordinance approved Feb. 26, 1857.

— Same, 1857, 1869-1900. Baltimore, 1857-1901. 8°. (In: Mayor's message, etc.)

—— Annual report of the city register for the fiscal year ending Dec. 31, 1857, 1869-1900. Baltimore, 1857-1901. 8°. (In: Mayor's message, etc.)

— Annual report of the commissioners of finance for the fiscal year ending Dec. 31, 1869-99. Baltimore, 1869-1900. 8°. (In: Mayor's message, etc.)

The Finance Department of Baltimore comprises the offices of the comptroller, register, board of estimate, commissioners of finance, city collector, and collector of water rents and licenses.

**Bangor (Me.)** Annual report of the treasurer for the fiscal year ending March 15, 1875, 1880, 1885-87, 1897, 1901. n. t. p. 8°. (In: Mayor's address, etc.)

—— Same, separate, 1889. Bangor, 1889. 8°. Bath (Me.) Annual report [14, 16, 24, 26-28, 30-32, 35-38, 41-52] of the appropriations, receipts and expenditures, etc., for the fiscal year ending

March 31, 1862, 1864, 1872, 1874-76, 1878-80, 1883-86, 1889-95, Jan. 31, 1896-1900. Bath, 1862-1900.

Includes the annual report of the joint standing committee on finance, the Mayor's report on appropriations, etc.; the reports of the treasurer and tax collector, the reports of the refunding commission, and reports of the committee on reduction of the city debt, and, since 1896, the reports of the auditor.

The Mayor's reports for 1862, 1864, 1870, 1880, 1883, 1885 contain comparative statements of the city debt since organization of the city government in 1848, and an abstract of appropriations and expenditures since 1848. The reports from 1870 to 1856 contain a comparative statement of the valuation of real and personal property for the preceding decade.

Bay City (Mich.) Annual report of the comptroller on the receipts and expenditures for the fiscal year ending March 22, 1884-85, 1888, 1890, 1895. Bay City, 1884[-95]. 8°. (In: Annual reports of the city.)

Beverly (Mass.) Annual report of the receipts and expenditures of the town of Beverly for the fiscal year ending March 1,1880,1892. Beverly, 1880-92. 8°.

Report for 1880 is a separate publication, that for 1892 is contained in the Town Records, etc., for 1892.

With the adoption, in 1894, of the city charter the town government was abolished.

- Annual report [1-6] of the city treasurer for the fiscal year ending Dec. 31, 1895-1900. Beverly, 1896-1901. 8°. (In: City documents.)

- —— Annual report [1–6] of the auditor, 1895–1900. *Beverly*, 1896–1901. 8°. (*Idem.*)
- Annual report of the sinking fund commissioners, 1895-1900. Beverly, 1896-1901. 8°. (Idem.)

Birmingham (Ala.) Annual report of the auditor for the fiscal year ending Dec. 31, 1899. n. t. p. 8°. (In: Mayor's message, etc.)

- Same, separate, 1898. Birmingham, 1898.
- Annual report of the treasurer for the fiscal year ending Dec. 31, 1899. \* 1. p. 8°. (In: Mayor's message, etc.)

Boise City (Idaho). Annual report of the controller for the fiscal year ending Dec. 31, 1892. Boise City, 1892. 8°.

#### Boston (Mass.)

#### Town Reports.

1800-1801. Statement of the expenses of the town of Boston from May, 1800, to May, 1801. Broadside.

1801-1802. Statement of the expenses of the town of Boston from May, 1801, to May, 1802. Dated July, 1801, and signed by the selectmen. Broadside.

1810-1811. General view of the current expenses of the town of Boston from May, 1810, to May, 1811. Broadside.

Report of the committee upon the pecuniary concerns of the town, May 14, 1811. n. l. p. [Boston:] Eliot, prtr., 1811. 8 pp. 8°.

1816, May. Fourth annual report of the committee of finance of the town of Boston. s. t. p. 4 pp. 8°.

1819, May. Seventh annual report of the committee of finance. n. l. p. 15 pp. 8°.

1820, May. Eighth annual report of the committee of finance. [Boston, 1820.] 10 ll. 8°.

1821, May. Ninth annual report of the committee of finance. [Boston, 1821.] 8 ll. 8°.

On the verso of the title-page is a notice signed by the town clerk, dated June 23, 1821. announcing the adjournment of the town meeting from June 18 to July 2.

Ninth annual report of the committee of finance. [Boston, 1821.] 11 ll., 12 pp. 8°.

On the verso of the title-page is the letter of the committee, transmitting its financial report. An appendix, pp. 1-12, contains the report of the committee on the subject of fees of office. The two editions of this report were occasioned by the death on Aug. 6, 1820, of Andrew Barker Sigourney, then town

1822, Aug. Tenth annual report of the committee of finance. [Boston, 1822.] 14 pp. 8°. Continued under the city government by the auditor.

#### City Reports.

The file of Boston City Documents in the New York Public

The file of Boston City Documents in the New York Public Library begins with 1853, and is complete from that time to 1900. In 1891 the city issued an index to these documents. An account of the town budget for 1686 is in the town records of that year. (Record Comm., 7:187.) The "Catalogue of the City Councils . . . "1891, p. 247, gives a list of treasurers from 1641 to 1820, and lists of the several financial officers of the city from 1822 to 1891.

[Annual report of the auditor.] Tenth aunual report of the finance committee, Aug., 1822. [Boston, 1822.] 8°.

Title changes to:

Annual report [11-32] on the receipts and expenditures . . . . [for the fiscal year ending April 30], 1823-44. Boston, 1823-44. 8°.

Title changes to:

Auditor's annual report [33-54] on the receipts and expenditures... [for the fiscal year ending April 30], 1845-66. Boston, 1845-66. 8°.

Title changes to:

Auditor of accounts' report [55-70] on the receipts and expenditures . . . [for the fiscal year ending April 30], 1867-82. Boston, 1867-82. 8°.

Title changes to:

Annual report of the city auditor [71-89]... [for the fiscal year ending April 30, 1883-91, Jan. 31, 1891-1901.] Boston, 1883-1901. 8°.

Report for year ending Jan., 1892, is for preceding nine months. The serial numbering ceased with no. 77, for 1888/9. The report for 1886/90 has title: "Finance. Annual report of the executive department of the city of Boston... for 1889/90," and includes the annual reports of the assessing, collecting, anditing, treasury, and sinking fund departments. The fiscal year ending April 30 was fixed by ordinance passed Dec. 22, 1825; the fiscal year ending Jan. 31 was fixed by ordinance approved March 2, 1891.

The office of auditor was established by ordinance on August 2, 1892. Revulsa annual reports have been published since

The omce of anotter was established by ordinance on August 2, 1824. Regular annual reports have been published since 1825. They show the annual receipts of the city of Boston and county of Saffolk, the debt and the public property. Similar but less complete reports were published by finance committees from 1811 to 1824. Since June 1, 1867, the anditor has published monthly exhibits of all city and county expenditures. These are included in the City Documents.

- Annual report of the board of assessors, 1890-93, 1895. Boston, 1891[-96]. 8°.

Same, 1890-99. (In: Boston City Documents.)

 Annual report of the collecting department, 1891/2-94/5, 1897/8-99/00. Boston, 1892-1900.

The separate office of collector was established by statute in 1875. Annual reports have been published since 1876. The department has, since 1800, published a monthly report, which is included in the City Documents. Since that time the annual report is a consolidation of the monthly reports.

- List of persons, copartuerships and corporations who were taxed on \$25 and upwards in 1839, 1842-48. Boston, 1840-49. 8°.

Published since 1822. Included in the City Documents.

List of persons, etc., who were taxed on six thousand dollars and upwards in 1849-56...on ten thousand dollars and upwards in 1857-63; on twenty thousand dollars and upwards in 1864. Boston, 1850-65. 8°.

Bridgeport (Conn.) Annual report of the financial department of the city for the fiscal year ending March 1, 1874, 1876, 1878-79, 1881, 1883, 1885, 1887-88, 1896, March 31, 1898-99. 8°. (In: Municipal Register, etc.)

Includes reports of the city treasurer, city auditor, tax collector, of the city agent on the sinking fund, and the financial reports of the town of Bridgeport.

The Municipal Register for 1874 includes a list of city treasurers from 1836 to 1874.

Brockton (Mass.) Annual report [4-5, 7-9, 14] of the treasurer for the fiscal year ending Nov. 30, 1885-86, 1888-90, 1895. n. t. p. 8°. (In: Annual reports of the city.)

Annual report [4-5, 7-9, 14] of the auditor for the fiscal year ending Nov. 30, 1885-86, 1888-90, 1895. n. t. p. 8°. (Idem.)

This report includes the report of the assessors and of the

 Annual report of the sinking fund commissioners for 1885-86, 1888-90, 1895. n. t. p. 8°. (Idem.)

Brookline (Mass.) Treasurer's report of the receipts and expenditures, etc., for the fiscal year ending Feb. 1, 1860-61, 1869-70, 1877, 1879-81, 1885-87, 1889, 1895, 1899. Boston, 1860; Brookline, 1861-99. 8°.

Includes report of the assessors. Reports for 1879/80 and 1884/5 include "Table of valuation, expenditures, rate of taxation and debt of the town of Brookline, from Feb. 1 to Feb. 1, 1880 and 1886 respectively. With 1881 the title changes to "Reports of the town officers, etc."

- List of taxes assessed in the town of Brookline, and names of taxpayers for 1859-60, 1868-69, 1876, 1880, 1884-85, 1898. Boston, 1859-77; Brookline, 1881[-99]. 8°. (In: Treasurer's report, etc.)
- Annual report of the commissioners of the sinking fund for 1876, 1879-81, 1885-87, 1889, 1895, 1899. n. t. p. 8°. (Ibid.)
- Annual report of the auditors of the town for 1879-81, 1885-87, 1889, 1895, 1899. n. t. p. 8°. (Ibid.)
- Treasurer's semi-annual exhibit of appropriations and expenditures to Aug. 1, 1884. Brookline, 1884. 8°.
- Selectmen's quarterly exhibit of appropriations and expenditures, Nov. 1, 1878; May 1, 1879; Nov. 1, 1880; May 1, 1881; Aug. 1, 1884. Brookline, 1878–84.

#### Brooklyn (N. Y.)

A check list of Brooklyn city documents, in the New York Public Library, relating to finance was published in the library Bulletin for February, 1902.

Buffalo (N. Y.) Report of the comptroller, containing the annual statement of the fiscal affairs of the city for the fiscal year ending Dec. 31, 1854, 1857-58, 1864-65, 1867, 1871-72, 1874-79, 188283, 1886-91, June 30, 1892-99. Buffalo, 1855 [-99]. 8°.

The office of comptroller was created by act of legislature in 7843, but was not filled until 1848, when a comptroller was appointed by the common council. Under the charter of 1853 the office became elective.

Burlington (Iowa). Annual report of the auditor for the fiscal year ending March 31, 1891-1900. n. t. p. 8°. (In: Annual reports of the city, etc.)

Report for 1801 contains an historical sketch of the several funds of the city.

- Annual report of the treasurer for the fiscal year 1891–1900. n. t. p. 8°. (In: Annual reports of the city, etc.)

Burlington (Vt.) Annual report of the treasurer for the fiscal year ending Feb. 1, 1868-73, Dec, 31, 1873-99. n. t. p. 8°. (In: Annual reports of the city, etc.)

Mayor Linsly in his annual message of April 5, 1870, recommended a change in the fiscal year from period ending Feb. 1 to calendar year.

Cambridge (Mass.) Annual report [of the finance committee] on the receipts and expenditures of the town of Cambridge for the year ending March 1], 1840-43, 1845-46. n. t. p. Cambridge, 1843-46. 8°.

Continued as:

Annual report of the finance committee of the city of Cambridge for the fiscal year ending March 1, 1847-55, Dec. 1, 1855-63, 1865-70, 1872-73, 1875-76. (In: Annual reports of the city.)

In 1877 the Finance Committee ceased to exist as an administrative committee, and its reports, as such, were thereafter made by the auditor of public accounts. The committee continues to exist as an auditing committee, and, as such, its reports are included in the annual reports of the city.

- Annual report of the auditor of accounts for the fiscal year ending Dec. 1, 1878, 1880-81, 1883, 1885-1901. (In: Annual reports of the city.)
- Same, separate, 1878, 1888. Boston, 1879-89. 8°.

The reports for 1877/8 and 70/80 are called respectively the 1st and 3d reports of the Auditor of Public Accounts; the report for 1880/1 is called the 35th annual report on receipts, expenditures, etc. The report of the Auditor of Public Accounts, beginning in 1877/8, includes the reports of the city treasurer, of the finance committee and of the commissioners of the sinking fund, it is extrally the continue ties of the accounts of the former. fund; it is actually the continuation of the reports of the former finance committee, which committee, by ordinance adopted Jan. 2, 1898, reorganizing the finance department of the city, ceased to exist in its former administrative capacity, but continued to exist as an auditing committee.

- Annual report [1-2, 5-6, 8, 10-25] of the sinking fund commissioners for the fiscal year ending December 31, 1876-77, 1880-81, 1883, 1885-1900. n. t. p. 8°. (In: Annual reports of the city.)

Established by ordinance passed Dec. 22, 1875.

- Annual report of the treasurer for the fiscal year ending Dec. 1, 1880-81, 1883, 1885-1901. n. t. p. 8°. (In: Annual reports of the city.)
- Same, separate, 1898-99. [Cambridge,] n. d. 8°.

Camden (N. J.) Annual report of the city treasurer for the year ending Jan. 31, 1892-97. (In: Annual message of the mayor, etc.)

- Same, separate, 1898. Camden, 1898. 8°. - Itemized report of the accounts of the city treasury for the year ending Jan. 31, 1881. Camden, 1881. 8°.

Charleston (S. C.) Annual report of the finance department for the fiscal year ending Dec. 31, 1880-99. (In: Charleston yearbook.)

Includes reports of the treasurer and assessor.

Charlestown (Mass.) List of persons taxed for city and county for 1847..., To which is added the treasurer's statement of receipts and expenditures for one year ending Feb. 29, 1848. Charlestown, 1848. 63 pp. 8°.

The first report of the city.

Continued as:

Auditor's annual statement of receipts and expenditures of the city and county for the fiscal year ending Feb. 28, 1850-51. *Boston*, 1850-51. 8°.

Continued as :

City treasurer's annual statement of receipts and expenditures for the fiscal year ending Feb. 29 [28], 1852-54. Charlestown, 1852-54. 8°.

Continued as :

Statement of receipts and expenditures for the fiscal year ending Feb. 29 [28], 1856-57, 1859-64, 1866-74. Charlestown, 1856-74. 8°.

Reports for 1851, 1857, 1862 contain lists of persons taxed; report for 1862 contains list of annual appropriations from 1847 to 1861. Report for 1874 covers the period from Feb. 28, 1873, to Jan. 12, 1874.

Chelsea (Mass.) Financial report [2-3, 5-12, after which numbering ceased,] of the city of Chelsea for the year ending Dec. 31, 1858-59, 1861, 1863-68, 1871-80, 1888, 1895-97. n. t. p. 8°. (In: Mayor's address and reports of depts.)

Includes treasurer's report, schedule of property taxed, and report on the city debt. Reports for 1867 and 1868 contain "Tax valuation of real and personal property," from 1847 to 1867 and 1868 respectively.

Chicago (III.) Annual statement of the finances of the city for the fiscal year ending Jan. 31, 1859, beginning April 1, 1871-75, Jan. 1, 1876-1900. Chicago, 1860[-1901]. 8° and 4°.

Report for 1859/60 is the third report.

— Bonded debt, city of Chicago, December 31, 1900. Chicago, n. d. 10 pp. 8°.

— Abstract of receipts, appropriations and expenditures of the city of Chicago for the fiscal year 1900. *Chicago*, n. d. 46(I) pp. 8°.

Chicopee (Mass.) Annual report of the treasurer for the fiscal year ending Feb. 28 [29], 1860-64, 1879, 1884, 1888, Dec. 31, 1893, Nov. 30, 1898-99. n. t. p. 8°. (In: Rpts. town officers and in Municipal Register.)

— Annual report of the auditor for the fiscal year ending Nov. 30, 1898-99. n.t. p. 8°. (Ibid.)

Chilmark (Mass.) Report of the selectmen for the year ending the third [Tuesday?] in February, 1890, 1892, 1895-1901. New Bedford, Varmouthport, Hyannis, Cottage City, 1890-1902.

Includes reports of the treasurer and auditor.

**Cincinnati** (**0**<sub>•</sub>) Annual report (8–19,21–23, 25–48) of the auditor for the fiscal year ending Feb. 28, 1861–72, Dec. 31, 1873–75, 1877–1900. *n. t. p.* 8°. (In: Annual reports city depts.)

— Same. Separate (45), 1897. Cincinnati, 1898. 8°.

1861-79 called "Annual report of the city auditor exhibiting the receipts and expenditures of the city "; 1881-91, "Annual

statement of the finances of the city," made by the comptroller; 1891-1900, title remains unchanged, but report is made by the auditor; title of report for 1900 reads "Annual report of the city auditor, etc."

—— Annual report [1-24] of the board of trustees of the sinking fund, 1878-1900. n. t. p. 8°. (In: Annual reports of the city depts.)

— Same, separate [13-25], 1889-1901. Cincinnati, 1890-1902. 8°.

The first report is for the year ending April 15; the second is for the period from April 15, 1878, to Jan. 1, 1879; from the date of the third report the year ends Dec. 31.

Cleveland (O.) Annual report of the auditor for the fiscal year ending Dec. 31, 1874-82, 1884-92, 1895, 1897-1900. n. t. p. 8°. (In: Annual reports of the city.)

— Same, separate, 1887, 1896-98. Cleveland, 1888-97. 8°.

— Annual report of the commissioners of the sinking fund, 1874-82, 1884-92, 1895, 1897-1900. n. t. p. 8°. (In: Annual reports of the city.)

— Same, 1887, 1896–1898. n. t. p. 8°. (In: Annual reports of the auditors.)

—— Annual report of the treasurer for the year ending Dec. 31, 1874-82, 1884-91, 1897-1900. n. t. p. 8°. (In: Annual reports of the city.)

—— Same, 1887, 1896–98. n. t. p. 8°. (In: Annual report of the auditor.)

Columbus (Ga.) Annual reports of officers for the year ending Dec. 1, 1890-99. Columbus, 1891-1900. 8°.

Columbus (O.) Report of the city clerk on the receipts and expenditures of the city for the fiscal year [ending the first Wednesday in April] 1875-76, 1880, [fourth Monday in March] 1881-87, 1890. n. t. p. 8°. (In: Reports of various depts.)

Title changes to:
Annual report [1-3] of the city auditor for the year [ending the fourth Monday in March] 1891-93. n. t. p. 8°. (Ibid.)

Title changes to:

Report of the director of accounts for the fiscal year ending Dec. 31, 1893-1900, n. t. p. 8°. (In: Reports of various depts.)

—— Same, separate, 1893-98. Columbus, 1894-99. 8°.
The report for 1893 is for the 9 months ending Dec. 31.

— Annual report ([1-4,] 8, 17-18) of the commissioners of the sinking fund for the year ending March, 1884-87, '90; Dec., 1899-1900. n. t. p. (In: Reports of the various depts.)

— Same, separate, 1887, 1889, 1893-98. Columbus, 1887-99. 8°.

The report for 1893 is for the 9 months ending Dec. 31.

Concord (N. H.) Annual report [5, 12, 16–17, 19–20, 23–24, 28–29, 31–35, 37, 40] on the receipts and expenditures of Concord for the fiscal year ending Feb. 1, 1858, 1865, 1869–70, 1872–73, 1876, 1877; Jan. 31, 1881; Dec. 31, 1881, 1883–87, 1889, 1892. Concord, 1858–92. 8°.

**Dayton** (0.) Annual report of the auditor for the fiscal year ending March 1, 1891-92. Dayton, 1891-92. 8°.

Office abolished; reports continued as:

Annual report of the comptroller for the fiscal year ending Feb. 28 [29], 1893-1901. Dayton, 1893-1901. 8°.

—— Statement of the comptroller as to debt, taxes, valuation, population, 1893, 1897. Dayton, 1893-97. 8° and 12°.

**Dedham (Mass.)** Report [228, 234-236, 238, 241-250, 252, 254, 256-258] of payments of the town of Dedham for the year ending Jan. 31, 1864, 1870-72, 1874, 1877-86, 1888, 1890, 1892-94. *Dedham*, 1864-94. 8°.

**Denver (Colo.)** Annual report of the auditor for the fiscal year ending Dec. 31, 1895, 1897–1901. Denver, 1895[-1902]. 8°.

No report was issued in 1896.

**Detroit** (Mich.) Annual report of the controller on the receipts and expenditures of the city for the fiscal year ending March 31, 1870-72; Jan. 31, 1873-79; June 30, 1881-1900. *Detroit*, 1870-1900. 8°. (In: Annual reports of the city.)

— Same, separate, 1877, 1880/1, 1887/8, 1890/1, 1894/5-1900/1. Detroit, [1878-]1902. 8°.

- Annual report of the treasurer for the fiscal year ending March 31, 1872; Jan. 31, 1873-79; June 30, 1881-1900. *Detroit*, 1872-1900. 8°. (In: Annual reports of the city.)
- Appropriations for the maintenance of the government of the city of Detroit, 1896/7-99/00. *Detroit*, n. d. 16°.
- Estimates for Detroit, 1897/8-97/9. [Detroit,] 1898-99. F°.

**Dover** (N. H.) Annual report [1-5] of the committee on finance on the receipts and expenditures of the city for the fiscal year ending Dec. 31, 1856-60. *Dover*, 1857-61. 8°.

Title changes to:

Mayor's address... and reports of committees [6-7] comprising finance, etc., for the fiscal year ending Dec. 31, 1861-62. *Dover*, 1862-63. 8°.

Title changes to:

Mayor's address and annual report [8-46] on the receipts and expenditures for the fiscal year ending Dec. 31, 1863-1901. *Dover*, 1864-1902. 8°.

The first report is for the year commencing March 25, and ending Dec. 31, 1856. Beginning with 1872 "Mayor's address" is dropped from the title.

**Dubuque** (Ia.) Reports of the finance committee and city officers for the year ending Feb. 28, 1896—1901. \*\*n. p., n. d. 8°.

**Duluth (Minn.)** Annual report of the comptroller and treasurer for the fiscal year [ending the third Monday in February] 1895–96. Duluth, 1895–96. 8°. (In: Municipal reports.)

- —— Same, separate, 1898, 1900. Duluth, 1898–1900. 8°.
- Annual report of the comptroller for the fiscal year ended Dec. 31, 1900. n. t. p. 8°. (In: Municipal reports.)
- —— Annual report of the treasurer for the fiscal year ended Dec. 31, 1900. n. t. p. 8°. (In: Municipal reports.)

The change in the fiscal year was made pursuant to the provisions of the charter adopted in 1900. The reports for 1900 cover a period of ten months only.

**Easton (Pa.)** Controller's financial statement [2, 6, 8-9, 12-13] for the fiscal year ending Dec. 31, 1888; March 31, 1893, 1895-96, 1899-1900. n. t. p. 8°. (In: Mayor's message, etc.)

Erie (Pa.) Annual report of the controller for the fiscal year ending Dec. 31, 1879, ending the first Monday in April, 1893, 1897. n. l. p. 8°. (In: Annual reports of the city.)

—— Annual report of the treasurer, 1879, 1893, 1897. n. t. p. 8°. (Ibid.)

Evansville (Ind.) Annual report of the comptroller for the fiscal year ending August 31, 1894-96. n. t. p. 8°. (In: Municipal reports.)

— Same, separate, 1898-99. Indianapolis, n. d. 8°.

Everett (Mass.) Annual report [1-2] of town officers for the fiscal year ending Feb. 28 [29], 1871-72. Boston, 1871-72. 8°.

Contains financial statement, and of value of property assessed. Continued as:

Statement of receipts and expenditures [1, 3-7] of the city for the year ending Dec. 31, 1893, 1895-99. \*\*n. t. \*p. 8°. (In: Annual reports of the city.)

The annual reports of the treasurer, tax collector, sinking fund comrs., and assessors are also included in the "Annual reports of the city."

Fairfield (Conn.) Report of the auditors appointed to audit the town accounts for the year ending Sept. 6, 1884, 1888, 1890–95. Southport, Bridgeport, 1884–95. 8°.

Title changes to:

Report of selectmen, town treasurer, etc., [for the year ending Sept. 6] 1896-99, Aug. 31, 1900-1901. Southport, Fairfield, 1896-1901. 8°.

Fall River (Mass.) Annual report [16, 21-31, 34-47] of the auditor on the receipts and expenditures of the city for the fiscal year ending Jan. 31, 1870; Dec. 31, 1874-84, 1887-1900. n.p., n.d. 8°. (In: Reports of the city officers.)

The report for 1874 is numbered 21.

—— Annual report of the treasurer for the fiscal year ending Dec. 31, 1876-84, 1887-1900. n. p., n. d. 8°. (In: Reports of city officers.)

The office of treasurer was created by virtue of "An ordinance relating to accounts, expenditures and finances," adopted June 29, 1874. The reports of the commissioners of the sinking fund are, since 1887, included in the treasurer's report.

**Fitchburg** (**Mass.**) Annual report of the selectmen... and board of auditors for the year ending March 31, 1870. *Fitchburg*, 1870. 8°.

- —— Annual report [1-27] of the city treasurer for the fiscal year ending Nov. 30, 1873-99. Fitchburg, 1873-1900. 8°. (In: Address of the mayor, etc.)
- —— Annual report [1-27] of the auditor, 1873-99. Fitchburg, 1874-1900. 8°. (In: Address of the mayor, etc.)
- Annual report of the committee on the reduction of the city debt for the year ending Nov. 30, 1879-99. Fitchburg, 1880-1900. 8°. (Ibid.)

Fort Wayne (Ind.) Annual report of the comptroller for the fiscal year ending Dec. 31, 1898—1900. n. t. p. 8°. (In: Annual reports of the heads of departments, etc.)

Report for 1898 contains a statement of the total valuation of taxable property, with tax levies, from 1875 to 1899.

Fort Worth (Tex.) Annual report of the city auditor for the fiscal year ending March 21, 1896. Fort Worth, 1896. 8°.

— Annual report of the city secretary [on finances, etc.] for the fiscal year ending March 21, 1894-95, 1898-99. Fort Worth, 1894-99. 8°.

Gloucester (Mass.) Report of the auditing committee, 1872-73. Gloucester, 1872-73. 8°.

Continued under city government by the following reports:

Annual report [1-3, 5-27] of the city auditor for the fiscal year ending Dec. 31, 1874-75; Nov. 30, 1876; 1878-1900. Gloucester, 1875-1900. 8°. (In: City documents, etc.)

Annual report [1-3, 5-27] of the treasurer, 1874-76, 1878-1900. n. t. p. Gloucester, 1879-1900. 8°. (Ibid.)

Includes reports of the collector and board of assessors.

— Department expenditures of Gloucester. Compiled from auditor's reports for twenty-five years by J. J. Somes, city clerk. 1873–1899. n. p. [1899.] I sheet.

Grand Rapids (Mich.) Annual report of the comptroller for the fiscal year [ending the third Friday in April], 1894-95, 1900. n. t. p. 8°. (In: Annual reports of the city.)

— Annual report of the treasurer, 1894-95, 1900. n. t. p. 8°. (Ibid.)

Groton (Mass.) Annual report of the selectmen of Groton for the year ending Feb. 27, 1847. Boston: Bense & Morgan, prtrs., n. d.

Broadside; tables of expenditures only.

— Report of the selectmen of Groton for 1851/2. n. p., n. d.

Broadside; tables of expenditures, and of the assets and liabilities of the town on March 1, 1852.

— Same for 1853/4. Groton Junction: Geo. H. Brown's Press, n. d.

Broadside; tables of expenditures, and treasurer's report of the assets and liabilities on March 1, 1854.

— Report of the selectmen of the town of Groton for the year ending Feb. 23, 1856. Groton Junction: Brown's Press, n. d.

Broadside; tables as above.

— Same for the year ending Feb. 23, 1857. Groton Junction: Brown & Son, prirs., n. d.

Broadside; tables as above.

— Report of the expenses of the selectmen of the town of Groton for the year ending Feb. 24, 1858. Groton Junction: Brown & Son, prtrs., n. d.

Broadside; tables as above.

— Report of the selectmen, etc.... for the year ending March 1, 1859-62. n. p., n. d. Groton Junction, 1861-62. F° and 8°.

1861 is a broadside entitled "Expenditures of the town of G...."

Title changes to:

Annual report of the receipts and expenditures of the town of Groton for the year ending Feb. 28 [Mch. 1], 1863-64. Groton Junction, 1863-64. 8°. Title changes to:

Receipts and expenditures of Groton, with other statistical matter, 1865-66, 1868-82, 1884-88, 1889-92, 1896-98, 1900-1901. *Boston*, 1865; *Groton Junction*, 1866-70; *Ayer*, 1871-1900. 8°.

The fiscal year during this period ends variously from Feb. 23 to April 1. Beginning with 1882 the title is "Annual report of the selectmen . . . together with the report of the treasurer, etc."

**Hannibal** (**Mo.**) Auditor's annual report for the fiscal year ending May 31, 1899-1900. *n. t. p.* 8°.

Harrisburg (Pa.) Account exhibiting the receipts and expenditures of the town from April 1, 1841, to Jan. 1, 1844. *Harrisburg*, 1844. 72 pp. 8°.

— Annual report of the city comptroller for the fiscal year [ending the first Monday in April], 1887, 1890-97. n. t. p. 8°. (In: Annual message of the mayor, etc.)

Hartford (Conn.) Annual report of the agent of the sinking fund, 1875-83, 1892, 1894-1900. w. t. p. 8°. (In: Municipal register of the city.)

—— Annual report of the auditor for the fiscal year ending March [31], 1870, 1874-80, 1882-85, 1892, 1894-1900. n. t. p. 8°. (Ibid.)

Fiscal year ends variously from March 20-31.

—— Annual report of the treasurer for the fiscal year ending March [31], 1870, 1874-80, 1882-85, 1892, 1894-1900. n. t. p. 8°. (Ibid.)

Fiscal year ends variously from March 19-31.

— Annual report of the ways and means committee, 1882-85, 1892, 1894-1900. n. t. p. 8°. (*Ibid.*)

—— Same, separate, 1898–99. *Hartford*, 1898–99. 8°.

---- [Report favoring a provision for a permanent, consolidated public debt of Hartford. March 1, 1853.] [Hartford (?), 1853.] 4 pp. 8°.

Haverhill (Mass.) Annual report of the city auditor for the fiscal year ending Dec. 31, 1871, 1873-74. \*\*. !. p. 8°. (In: Mayor's address, etc.)

— List of persons assessed for poll tax. Wards 1-7. Haverhill: Chase Press, 1901. 12 pms. 8°.

Hoboken (N. J.) Financial statement of the comptroller for [the year ending the first Monday in May], 1891, 1896, 1901. *Hoboken*, 1891–1901. 8°.

Holyoke (Mass.) Annual report [13] of the officers of the town of Holyoke for the fiscal year ending March 1, 1863. Springfield, 1863. 8°.

Contains the treasurer's report, and the financial statement of the selectmen.

-— Annual report of the town treasurer for the ten months ending Jan. 5, 1874. n. t. p. 8°. (In: Municipal Register.)

Continued as:

Annual report [1-(26)] of the city treasurer for the fiscal year ending Dec. 10, 1874; Dec. 1, 1875-91, 1893-99. n. t. p., 1874-96; Holyoke, 1897-1900; n. t. p. 8°. (Ibid.)

— Annual report [1–(22)] of the finance committee for the fiscal year ending Dec. 10, 1874; Dec. 1, 1875–91, 1893–95. n. t. p. 8°. (Ibid.)
Title changes to:

Annual report of the city auditor for the fiscal year ending Dec. 1, 1896-99, n. t. p.; 1896-99, Holyoke, 1900. 8°. (Ibid.)

— Annual report of the commissioners of the sinking fund, 1875-91, 1893-99. n. l. p. 8°. (Ibid.)

A list of city officials since the organization of the city government in 1874 is given in each issue of the Municipal Register.

Indianapolis (Ind.) Annual report [1-6, 8-9] of the city comptroller for the calendar year ending Dec. 31, 1891-96, 1898-99. n. t. p. 8°. (In: Annual message of the mayor, etc.)

—— Same, separate, for the fractional year from March 9 to Aug. 31, 1891; for the fiscal year ending Aug. 31, 1892; for the calendar year 1898. [Indianapolis, 1891-98.] 8°.

Jackson (Mich.) Financial statement for the year ending Feb. 28, 1899–1900. n. l. p. 8°. (In: Annual reports of the city.)

Jersey City (N. J.). Annual report of the comptroller for the fiscal year ending Dec. 1, 1883 88, 1890/99. Jersey City [1883-99]. 8°.

Joliet (III.) Annual report of the treasurer for the fiscal year ending April 30, 1895-98, 1900. n. t. p. 8°. (In: Annual reports of city officers.)

**Kansas City (Kans.)** Annual report of the treasurer for the fiscal year ending March 31, 1901. n. t. p. 8°. (In: Reports of city officers, etc.)

Kansas City (Mo.) Reports of the comptroller...and other officers...Dec. 31, 1882. Kansas City, 1883. 8°.

—— Semi-annual report [1, 12, 17-18, (30-32)] of the comptroller for six months ending June 30, 1880; Dec. 31, 1885; June 30, Dec. 31, 1888, Sept. 30, 1894; April, Sept., 1895; April, Sept., 1900; April, 1901. Kansas City, 1880-1901. 8°.

**Keene** (N. H.) Reports of town officers... with list of taxpayers and taxes in the town... 1871/2. *Keene*, 1872. 8°.

— Report of the joint standing committee on finance on the receipts and expenditures for the fiscal year ending Dec. 1, 1874–1901. n. t. p. 8°. (In: Annual reports of the city.)

Report for 1874 is for the period from May 5 to Dec. 1.

**Laconia** (N. H.) Annual report of town officers, comprising those of the treasurer, etc., for the fiscal year ending March 1, 1885, 1890-93. *Laconia*, 1885-93. 8°.

Continued as:

Annual report [3-4, 7-8] of the receipts and expenditures of the city for the fiscal year ending Feb. 15, 1896-97, 1900-1901. *Laconia*, 1896-1901. 8°.

Lawrence (Mass.) Auditor's annual report [19, 23-27, 47] of receipts and expenditures for the fiscal year ending Dec. 31, 1871, 1875-79, 99. Lawrence, 1872-1900. 8°. (In: City documents.) Includes treasurer's report.

—— Same, separate, [24,] 1876. Lawrence, 1877. 8°.

**Leicester** (**Mass.**) Report of the selectmen, etc., of the town for the year ending Feb. 1, 1862-63. *Worcester*, 1862[-63]. 8°.

Title changes to:

Reports of the town officers for the year ending Feb. 1, 1865, 1873-74, March 10, 1883-84, 1894-96. Worcester, 1864-96. 8°.

Leominster (Mass.) Annual report . . . [of town officers] for the year 1870/1; valuation of estates and taxes assessed in 1870. Leominster, 1871. 8°.

Title changes to:

Report of town officers for year ending March 1, 1888-89. Leominster, 1888-89. 8°.

Includes selectmen's financial accounts, and statement from the town treasurer.

—— Annual report of the town treasurer for the year ending March 1, 1891-92, Feb. 1, 1894-95. Leominster, 1891[-95]. 8°. (In: Annual reports town officers.)

Lexington (Ky.) Annual report of the city auditor for the fiscal year ending Dec. 31, 1886, 1894-99. n. t. p. Lexington, 1895-1900. 8°. (In: official reports, etc.)

— Same, separate, 1894-95. Lexington, 1895-96. 8°.

Includes treasurer's reports.

**Lexington** (Mass.) Reports of the town officers for the fiscal year ending Jan. 31, 1880, 1883-84, 1889-90, 1895. *Lawrence*, 1880-96. 8°. Includes reports of treasurer, auditor and assessors.

Little Rock (Ark.) Statement of receipts and disbursements for the year ending Dec. 31, 1894-96, 1898. n. t. p. 8°. (In: Report of city officers.)

Los Angeles (Cal.) Annual report of the auditor for the fiscal year ending Oct. 31, 1879, 1882, Nov. 30, 1891, 93. \*\*. t. p. 8°. (In: Municipal reports.)

—— Same, separate, 1897, 1899. Los Angeles, 1897[-99]. 8°.

— Annual report of the treasurer 1879, 1882, Nov. 30, 1891, 1893. \* t. p. 8°. (In: Municipal reports.)

Louisville (Ky.) Annual report of the auditor for the fiscal year ending Dec. 31, 1878, 1881-83, 1892, Aug. 31, 1898. n. t. p. 8°. (In: Annual reports of the city.)

— Annual report of the city bookkeeper for the fiscal year ending Dec. 31, 1878, 1881-93. n. t. p. 8°. (Ibid.)

— Annual report of the city treasurer for the fiscal year ending Dec. 31, 1878, 1881-93. n. t. p. 8°. (Ibid.)

— Annual report of the comptroller for the fiscal year ending Aug. 31, 1894-98. n. t. p. 8°. (*Ibid.*)

— Annual report of the president and commissioners of the sinking fund for the year 1878, 1881-98. n. t. p. 8°. (Ibid.)

— Same, separate, 1895, 1898-1900. Louisville, 1896-1901. 8°.

Lowell (Mass.) Annual report [27-43, 59, 61-64] of the auditor for the fiscal year ending Dec. 31, 1862-78, 1894, 1896-99. Lowell, 1862-1900. 8°. (In: City documents.)

— Same, separate [15, 39, 42,] 1850, 1874, 1877. Lowell, 1851-78. 8°.

— Annual report [1] of the board of assessors for 1899. Lowell, 1900. 8°. (In: City documents.)

Lynn (Mass.) Annual report [10, 13-14, 16-21] of the committee on accounts for the fiscal year ending Dec. 31, 1859, 1862-63, 1865-70. Lynn, 1860-71. 8°. (In: City documents.)

Title changes to:

Auditor's annual report [23-49] of the accounts of the city, including the report of the city

treasurer for the fiscal year ending Dec. 31, 1872-80, Dec. 20, 1881-98. Lynn, 1873-98. 8°. (In: City documents.)

- Same, separate, 1876, 1877, 1895. Lynn, 1877-96. 8°.

Malden (Mass.) Expenses of the town of Malden, for one year, ending May 1, 1824. Broad-

Facsimile reprint of the first printed report of the financial fairs of the town. It accompanies the last annual report of affairs of the town. It the town auditor, 1881.

· Annual report of the several departments of the town for the fiscal year ending March 1, 1860, 1867, 1870, Dec. 31, 1878, 1880-81. Boston, 1860-82. 8°.

Contains the tax list, auditor's and treasurer's report, and report of the sinking fund commissioners.

- Annual report [1-10, 12-15, 17-19] of the city auditor for the fiscal year ending Dec. 31, 1882-91, 1893-96, 1898-1900. n. l. p. 8°. (In: City documents.)
- Annual report [1-10, 12-15, 17-19] of the city treasurer for the fiscal year ending Dec. 31, 1882-91, 1893-96, 1898-1900. n. t. p. 8°. (Ibid.)

Reports from 1883 contain a table of comparative valuations from 1870 to date of report.

- Annual report [6-15, (17-20), 22-24] of the commissioners of the sinking fund for 1882-91, 1893-96, 1898-1900. n. t. p. 8°. (Ibid.)

Numbering ceased with 12th report (1888), and began again

with the 22d report (1808).

The city documents for 1804 contain a special report of the joint standing committee on finance on the expediency of retrenchment in the city departments.

Manchester (N. H.) Annual report [1, 8-14, 19-28, 30-55] of the receipts and expenditures for the fiscal year ending Feb. 1, 1847, Jan. 31, 1854-56, Dec. 31, 1857-59, 1864-73, 1875-1900. n. t. p., Manchester, 1854-1901. 8°.

This series includes all the department reports.

Medford (Mass.) List of town, county and state taxes, as assessed for the year 1858, together with a statement of the town expenses for the year ending Feb. 15, 1859. Boston, 1859. 8°.

- Annual report of the city auditor for the fiscal year ending Feb. 1, 1893-98, 1900-1901.
  n. t. p. 8°. (In: Annual reports of the city.)
- Annual report of the city treasurer, 1893-98, 1900-1901. n. t. p. 8°. (Ibid.)
- Annual report of the sinking fund commissioners for 1892-97, 1899-1900. n. t. p. 8°. (Ibid.)

Melrose (Mass.) Report of selectmen for the financial year ending March 1, 1869-71, 1873, together with reports of the treasurer and collector. Boston, 1869-70; Stoneham, 1871; Boston, 1873.

Title changes to:

Annual report of the town officers for the financial year ending March 1, 1874-78, Dec. 31, 1879-81, 1883-88, 1890, 1892-99. Melrose, 1880-1901. 8°. Boston, 1874-78;

Contains annual reports of the auditor, treasurer, and of the sinking fund commissioners.

- Annual report [1] of the city auditor for the financial year ending Jan. 31, 1901. n. t. p. 8°. (In: Annual reports of the city.)
- Annual report [1] of the treasurer for 1900/1, n. t. p. 8°. ( $\vec{l}$ bid.)

The first town report was made in 1850.

Memphis (Tenn.) Annual report of the comptroller for the year ending Jan. 1, 1873. n.l.p. 8°. (In: Municipal reports, etc.)

Continued as:

Report of the secretary of Shelby co. Taxing District for the year ending Dec. 30, 1890. \*\*. t. p. 8°. (In: Biennial reports of the legislative council.)

Middlesex co. (Mass.) Statement of receipts and expenditures, 1864, 1866-69, 1883-84, 1888, 1897-1901. Charlestown, 1865-1901. 8°.

Milton (Mass.) Auditor's annual report [21, 24, 31, 37-38, 46, 48, 50, 52-53, 59] of the receipts and expenditures of the town for the year ending the first Monday in Feb., 1858, 1861, 1868, 1874-75, 1883, Jan. 1, 1885, 1887, 1889, 1890, Dec. 31, 1895. Boston, 1858-96. 8°.

Report for 1805 is called "Annual town report . . . compiled by the auditors."  $\label{eq:compiled}$ 

Montgomery (Ala.) Message of the mayor . . . and reports of various city officers for the year ending April 30, 1877, 1881-92; Sept. 30, 1893-1900. Montgomery, 1877-1900. 8°.

Contains reports of the treasurer and of the finance committee.

Nashua (N. H.) Annual report [19-20, 24-25, 27-32, 36, 38, 43-45, 47-48] of the municipal government for the fiscal year ending Jan. 31, 1872-73, 1877-78; Dec. 31, 1880-84, 1888, 1890, 1895-97, 1899-1900. Nashua, 1872-1901. 8°.

Contains treasurer's statement, reports of the committee on finance and accounts, etc.

New Bedford (Mass.) Annual report of the committee on finance for the fiscal year ending Feb. 28, 1864, 1866-67, 1869-73. n. t. p. 8°. (In: City documents.)

Title changes to:

Auditor's annual report of receipts and expenditures, including the report of the city treasurer and collector of taxes for the fiscal year ending Feb 28, 1874-80; Dec. 31, 1880-84; first Monday in January, 1887-91, 1893, 1895-1901. New Bedford, 1874-1901. 8°. (In: City docu-

- Same, separate, 1876/7, 1898/9. New Bedford, 1877-1900. 8°.

In addition to the reports of the treasurer and of the col-lector of taxes, the reports of the commissioners of the sinking fund are included in the auditor's report.

- Financial statement of the city for the year ending Dec. 5, 1898, showing the total amount of receipts and expenditures, together with a statement of the public debt. n. t. p. 8 pp. 8°.

New Haven (Conn.) Annual report of the financial department, including the reports of the auditor, finance committee, treasurer and commissioners of the sinking fund for 1860/1-1871/2, 1873-77, for the fiscal year ending Nov. 30, 1878-79, 1882, 1885, 1889, 1890-96. n. t. p. 8°. (In: City year book.)

– Same, separate, 1883. n. p., n. d. 8°.

Annual report of the comptroller for the fiscal year ending Dec. 31, 1897-99. n. t. p. 8°. (Ibid.)

- Annual report of the auditor for the fiscal year ending Nov. 30, 1878-79, 1884. New Haven, 1878-85. 8°.

The year book for 1871/2 contains a chapter on "The Olden Method of Taxation in New Haven," written by Augustus

Lines; the same for 1878 contains a list of city officers from 1784 to 1879, and that for 1882 contains "The commercial interest of Long Island Sound in general and New Haven in particular," written by Charles Hervey Townshend.

New Orleans (La.) Comptroller's report [semi-annual], embracing a detailed statement of the receipts and expenditures of the city [for the half-year ending] June 1856; Dec., 1861; June, Dec., 1862; Dec., 1863; June, Dec., 1864; June, Dec., 1867; June, Dec., 1868; June, Dec., 1871; June, 1890; June, 1894-June, 1901. New Orleans, 1857-1901. 8°.

#### New York City.

A check-list of the official publications of the City of New York relating to finance was printed in the Bulletin of the New York Public Library for February, 1901, pp. 42-51.

**Newark** (N. J.) Annual report of the auditor of accounts for the fiscal year ended Dec. 31, 1880, 1882, 1884-86, 1892-93, 1896-1900. n. t. p. 8°. (In: City documents.)

- Same, separate, 1899. Newark, 1900. 8°.

— Annual report of the commissioners of the sinking fund, 1880. 1882, 1884-86, 1892-93, 1896-1900. n. l. p. 8°. (In: City documents.)

— Annual report of the comptroller for the fiscal year ended Dec. 31, 1880, 1882, 1884-86, 1892-93, 1896-1900. Newark [1881-]1901. 8°. (Ibid.)

— Same, separate, 1891, 1894, 1899. Newark, 1892-1900. 8".

—— Annual report of the treasurer, 1880, 1882, 1884-86, 1892-93, 1896-1900. n. t. p. 8°. (In: City documents)

**Newburgh** (N. Y.) Mayor's message and city clerk's annual report exhibiting the receipts and expenditures of the city for the fiscal year ending the first Monday in March, 1893[-1901]. Newburgh, 1893[-1901]. 8°.

Fiscal year in 1893 and 1894 ended the second Monday in March.

**Newton (Mass.)** Auditor's annual report [no. 197, 199-201, 205, 207, 210-211] on the finances of the city... for the year ending Dec. 31, 1875, 1877-79, 1883, 1885, 1888-89. *Boston*, 1876-84; *Newton* [1886-90]. 8°.

Title changes to:

Annual report [nos. 213, 218-219] on the finances of the city... for the fiscal year ending Dec. 31, 1891, 1896-97. *Newton*, 1892-98. 8°. (In: Public documents.)

Title changes to:

Annual report [nos. 220-222] of the city auditor for the fiscal year ending Dec. 31, 1898-1900, Newton, 1899-1901. 8°. (Ibid.)

—— Same, separate, 1893-94, 1900. Newton, 1894-1901. 8°.

Until 1800 the title-page, as first given, is sometimes preceded by the mayor's message, but there is no title-page for the whole volume. From 1891 the title-page is "Public Documents," etc.

—— Annual report of the city treasurer for the fiscal year ending Dec. 31, 1898–1900. Newton, 1899–1901. 8°.

Includes report of the sinking fund commissioners. The treasurer's report itself heretofore had been included in the auditor's reports.

**Norfolk** (Va.) Annual report of the treasurer for the fiscal year ending June 30, 1879, 1881, 1884, 1886, 1889, 1898. *n. l. p.* 8°. (In: Mayor's message, etc.)

—— Annual report of the auditor for the fiscal years 1898-99. n. t. p. 8°. (Ibid.)

**North Adams (Mass.)** Annual report [1-6] of the assessors for the fiscal year ending Dec. 1, 1896-1901. \*\*n. t. p. 8°. (In: City documents.)

— Annual report [1-6] of the city auditor, 1806-1901. n. t. p. 8°. (Ibid.)

—— Annual report [1-6] of the treasurer and tax collector, 1896-1901. n. t. p. 8°. (Ibid.)

Northampton (Mass.) Annual report of the selectmen of the town for the year ending Feb. 1, 1877. Northampton, 1877. 8°.

Contains financial statements, etc.

— Annual report [5-6, 8-17] of the auditor for the fiscal year ending Nov. 30, 1888-89, 1891-1900. n. t. p. 8°. (In: City documents.)

— Annual report [1-5] of the assessors for the fiscal year 1896-1900. n. l. p. 8°. (Ibid.)

—— Annual report [6, 8-17] of the commissioners of the sinking funds, 1889, 1891-1901. n. l. p. 8°. (Ibid.)

—— Annual report [5-6, 8-17] of the treasurer for the fiscal year ending Nov. 30, 1888-89, 1891-1900. n. t. p. 8°. (Ibid.)

Norwich (Conn.) Annual reports of the town to Sept. 10, 1849-50; Sept. 1, 1855, 1867, 1870, 1882. Norwich, 1848-82. 8°.

Quarterly reports of the treasurer are contained in the Journal of the proceedings of the Court of Common Council, of which the library has a file from 1877 to date.

Oakland (Calif.) Annual report [6, 8] of the auditor for the fiscal year ending June 30, 1895, 1897. [Oakland, 1895-97.] 8°.

Ogdensburg (N. Y.) Annual report of the mayor, also reports of the city officers, 1873/4, 1880/1-82/3, 1884/5-89/90, 1891/2, 1893/4-99/00. Ogdensburg, 1874-1900. 8°.

Contains treasurer's report, etc.

Omaha (Nebr.) Annual report of the comptroller for the fiscal year ending Dec. 31, 1889, 1891, 1894-97. n. t. p. 8°. (In: Municipal reports.)

—— Annual report of the treasurer for the fiscal year 1889, 1891, 1894-97. n. t. p. 8°. (In: Municipal reports.)

— Same, separate, 1893. *Omaha*, 1893. 8°.

Oswego (N. Y.) Mayor's annual reports [with reports of city officers] for the fiscal year ending Dec. 31, 1895-96, 1898-1900. Oswego, 1896-1901.

Contains "Financial statement of the city."

**Paterson** (N. J.) Annual report of the comptroller for the fiscal year ending March 20, 1895, 1899 s. t. p. 8°. (In: Annual rpts. of city officers.)

**Peoria** (III.) City comptroller's report. Statement of the finances of the city for the fiscal year ended Jan. 1, 1870; Dec. 31, 1872-73, 1875-79, 1890-1901. *Peoria*, 1870-1902. 8°.

Title changes as follows: 1869, City Clerk's report... together with statement of accounts of city officers; 1872-73, do... together with treasurer's account; 1875, do... together with treasurer's account; 1875, do... together with treasurer's and collector's accounts; 1876-90, do... and reports of various depts; 1892-1900, City comptroller's report and reports of various depts.

Philadelphia (Pa.) Report of a committee of the select council of Philadelphia [appointed to

take into consideration the present state of the finances of the city]. Read November 10, 1796. Philadelphia: Z. Poulson, jr., 1796. 24 pp. 8°.

Report of the committee of the Common Council on city debts and expenditures, and on city debts and resources [1797]. Philadelphia: Z. Poulson, jun., 1798. 12 pp. F°.

- Report of the joint committee of the select and common councils on city debts, etc., for 1800. Philadelphia: Z. Poulson, jun., 1801. 8 (2) pp. F°.

- Statement of the expenditures of the city commissioners for the year 1816 [to 1832, inclusive]. Philadelphia, 1817[-33]. F°.

1828, 1830, are imperfect, lacking the title-page and the customary address to councils.

- Account of receipts and payments at the city treasury from Jan. 1, 1844, to Dec. 31, 1844. n. p., n. d. 27 pp. 8°.

 Annual report of the board of tax revision, 1878-98. n. t. p. 8°. (In: Mayor's message and acc. documents.)

- Annual report of the commissioners of the sinking fund, 1873-98. n. t. p. 8°. (Ibid.)

- Annual report [20-45] of the controller for the fiscal year ending Dec. 31, 1873-98. n. t. p. 8°. (Ibid.)

- Same, separate, [2–3, 9–10, 14, 26, 32– 34, 38-47] for 1855-56, 1862-63, 1867, 1869, 1885, 1887, 1891-1900. *Philadelphia*, 1856-99. 8°.

**Pittsburg** (Pa.) Report of the city controller for the fiscal year ending Jan. 31, 1894, 1896-1901.

Pittsburg, 1894-1901. 8°.
Report for 1897 has title, "For fiscal year beginning Feb. 1, 1806.

Portland (Me.) Mayor's report of the financial concerns of the city for the year ending April 9, 1853. Portland, 1853. 8°.

Title changes to:

Annual report of the city treasurer for the fiscal year beginning April 1, 1857. n. t. p. 8°.

Title changes to:

Auditor's annual report [1, 3, 5, 8-32, 34-37, 40-42] on the receipts and expenditures of the city for the fiscal year ending March 31, 1860, 1862, 1864, 1867-96, 1899-1901. Portland, 1860-1901. 8°.

Portland (Ore.) Annual report of the auditor for the fiscal year ending Dec. 31, 1895, 1897-99. n. t. p. 8°. (In: Mayor's message, etc.)

Portsmouth (N. H.) Annual report [22-24, 29, 32-33, 42, 49-51] of the receipts and expenditures of the city for the fiscal year ending Dec. 31, 1871-73, 1878, 1881-82, 1891, 1898-1900. Portsmouth, 1872-1901. 8°. Reports for 1898-99 (49th and 50th) are the only ones num-

Providence (R. I.) Annual report [18-54] of the auditor for the fiscal year ending Sept. 30, 1864-1900. Providence, 1864-1900. 8°. (In: City documents.)

- Same, separate [1-51, 54-55] for fiscal year ending first Monday in March, 1848-54, ending Sept. 30, 1854-97, 1900-1901. Providence, n. d.-1901. 8°.

Quincy (Ill.) Annual report of the city comptroller for the year ending March 31, 1874, 1876, 1878; May 1, 1893, 1898. n. t. p. 8°. (In: Annual reports of the city.)

Quincy (Mass.) Auditor's annual report [22] for year ending Feb. 1, 1861. Boston, 1861. 8°. Annual report [75, 93] of the receipts and expenditures of the town . . . for the year ending

Feb. 1, 1867, 1885. Boston, 1867-85. 8°.

Title changes to:

City documents [1-12] for the year ending Dec. 31, 1889-1900. Boston, 1890-92; Quincy, 1893-1900. 8°

Contains annual reports of treasurer, auditor, and of commissioners of the sinking fund.

Reading (Pa.) Annual report [3] of the comptroller for the fiscal year ending Dec. 31, 1877. n. t. p. 8°. (In: Municipal reports.)

- Same, separate [4-5], for 1878-79. Reading, 1879-80. 8°.

Revere (Mass.) Auditor's report of the receipts and expenditures, etc., for the year ending Jan. 31, 1892-1901. Boston, 1892-93; Revere, 1894-1901. 8°.

- Valuation list and taxes of the town for 1895, 1897, 1899. Buston, 1896; Revere, 1898-1900. 8°.

Richmond (Va.) Annual report of the auditor for the fiscal year ending Jan. 31, 1896, 1901. n. t. p. 8°. (In: Annual message of the mayor, etc.)

- Same, separate, 1898–99. Richmond. 1898-99. 8°.

Rochester (N. H.) Annual report of the receipts and expenditures for the fiscal year ending March 1, 1881, 1888-91; Dec. 31, 1891-1901. Rochester, 1881[-1901]. 8°.

Rochester (N. Y.) Annual report of the treasurer for 1848/9, 1869/70, 1873/4, 1876/7, 1879/80, 1880/1, 1881/2, 1885/6, 1887/8, 1889/90, 1890/1, 1893/4, 1894/5, 1898-99. n. t. p. (In: Proc. of the Common Council.)

For some years there appears not to have been included the usual annual report, but monthly reports are included in all the volumes of the proceedings. The Executive Board of the city, having charge of the various municipal public works, publishes its own annual report since 1876, in which are contained the financial accounts of the board. Lacking the 9th and 10th reports (1884/5 and 1885/6 resp.), the Library's file is complete to 1800. complete to 1899.

Roxbury (Mass.) Auditor's annual report of the receipts and expenditures of the town of Roxbury for 1845/6. Roxbury, 1846. 8°.

Title changes to:

Annual report [1, 3-5, 8-11, 14-15, 18-21] of the committee on accounts of the city for the year ending Jan 31, 1847, 1849-51, 1854-57, 1860-61, 1864-65, April 30, 1866-67. Roxbury, 1847-67. 8°. City annexed to Boston.

Rutland (Vt.) Annual report [1-8] of the city for the year ending Dec. 31, 1893-1900. Rutland, 1894[-1901]. 8°

Contains reports of the treasurer and of the sinking fund commissioners.

Saco (Me.) Auditor's annual report for the year from March 1, 1866, to March 16, 1867. \*\*. t. p. 8°. (In: Annual report of the town.)

This annual report of the town contains a copy of the charter of 1762, a list of town clerks and selectmen from 1762 to the year of organization of city government, 1867, and a list of town treasurers from 1762 to 1867.

Title changes to:

Annual report [6, 13, 33] of the receipts and expenditures of the city for the fiscal year ending Feb. 28, 1873, Jan. 31, 1880, 1900. Saco, 1873-80; Biddeford, 1900. 8°.

- St. Joseph (Mo.) Annual report of the auditor for the fiscal year beginning the third Tuesday in April, 1892-97, 1899-1900. n. t. p. 8°. (In: Municipal reports.)
- Annual report of the comptroller for 1892-97, 1899-1900. n. t. p. 8°. (Ibid.)
- Annual report of the treasurer for 1892-97, 1899-1900. n. t. p. 8°. (Ibid.)
- The municipal report for 1891/2 contains a chapter on the "Municipal Finances [of St. Joseph]," by Purd B. Wright, city clerk.
- St. Louis (Mo.) Annual report of the auditor. for the fiscal year 1859, 1863, 1870, ending the second Tuesday in April, 1873-74, 1877-78, 1881-97. n. l. p. 8°. (In: Mayor's message, etc.)

The report for 1877 is for the first half only of the fiscal year.

See also note under comptroller for report of 1870.

The report for 1873 contains a statistical and financial review of St Louis, from its incorporation to 1873.

- Annual report of the board of assessors for the fiscal year 1878, 1881-97. n. l. p. 8°. (In: Mayor's message, etc.)
- Annual report of the comptroller for the fiscal year 1859, 1863, 1870, ending the second Tuesday in April, 1873-74, 1877-78, 1881-97. n. t. p. 8°. (In: Mayor's message, etc.)
- Same, separate, 1877, 1891-93, 1895-99. St. Louis, 1877[-99]. 8°.

By provision of the charter of March 4, 1870, the fiscal year ended on the second Tuesday in April instead of in October. The comptroller had been required to submit his report, con In ecomptroller had been required to submit his report, containing those of the auditor, treasurer, collector, city marshal and city engineer, to the city council at each stated session. These stated sessions were held in May and November. There are two reports for 1870, the first for the year ending on the second Tuesday in April, and the second, presented at the November session, for the six months ending Oct to, 1870. The report for 1877 is for the first half of the fiscal year only.

St. Paul (Minn.) Annual report of the treasurer for the fiscal year ending Nov. 1, 1885-99, Dec. 31, 1900. [St. Paul, 1885-]1901. 8°. (In: Annual reports of the city.)

The report for 1885 is from Jan. 1 to Nov. 1.

- Financial report of the comptroller for the fiscal year ending Nov. 1, 1885-99, Dec. 31, 1900. St. Paul, 1886-1900. 8°. (Ibid.)
- Same, separate, 1892-93, 1895-1901. St. Paul, 1893-1902. 8°.

Salem (Mass.) Report of the receipts and expenditures of the town... from March [9] to April [14], 1836. Salem, 1836. 8°.

Continued as:

Report of the committee of accounts for the municipal year 1838/9. n. t. p. 8°.

Address of the mayor . . . with reports of the departments for the preceding municipal year [ending March, 1843]. Salem, 1843. 8°.

Title changes to:

Annual reports of the several departments, committees [ending March] 1849-50, Dec. 31, 1852-55, 1857, 1859-61, 1863-65. Salem, 1849-66. 8°.

Title changes to "City Documents," each year containing a series of numbered parts, one of which is the continuation of the foregoing title, vis.:

Annual reports of the several departments, committees, etc., for the fiscal year ending Dec. 31, 1867-73, Nov. 30, 1874-80, 1884-88, 1893-95, 1897-1900. Salem, 1868-1901. 8°. (In: City docu-

These reports contain those of the Committee on Finance, on Accounts, of the treasurer, the sinking fund commission-

ers, etc.
The fiscal year ended Dec. 31, by ordinance passed Dec. 13, 1852; ordinance of Oct. 12, 1874, changed it to end Nov. 30.

- Financial reports, 1891. Salem, 1892. 8°.
- Annual report of the city auditor giving detailed statement of receipts and expenditures for the year ending Nov. 30, 1899. Salem, 1900. 8°.

Salt Lake City (Utah). Annual report of the auditor for the fiscal year ended Dec. 31, 1891, 1893, 1895-97. n. t. p. 8°. (In: Annual message of the mayor, etc.)

- Annual report of the treasurer for 1891, 1893, 1895-97. n. t. p. 8°. (Ibid.)

San Francisco (Cal.) Annual report of the auditor for the fiscal year ended June 30, 1860, 1862, 1864-1900. n. t. p. 8°. (In: Municipal reports.)

- Same, separate, 1900. San Francisco, 1900.
- Annual report of the assessors for 1860, 1862, 1864-1900. n. t. p. 8°. (Ibid.)
- Annual report [11] of the funded debt commissioners for 1861/2. \*\*n. t. p. 8\*. (Ibid.)
- Annual report of the tax collector for the fiscal year ended June 30, 1860, 1862, 1864-1900. n. t. p. 8°. (Ibid.)
- Annual report of the treasurer for the fiscal year ended June 30, 1862, 1864–1900. n. t. p. 8°.

The appendix in each annual publication of the "Municipal I he appendix in each annual publication of the "Municipal Reports contains tables of receipts and expenditures, assessments, bonded debt, rate of taxation, etc., from the organization of the city government in 1850. The "Municipal Reports" for 1866/70 contain such portion of the revenue acts of California of 1854, 1857, 1858, 1861, 1862, as relate particularly to San Francisco. The "Reports" for 1872/3, pp. 607-611, contain "History of tax litigation in San Francisco."

Savannah (Ga.) Annual report of the treasurer for the fiscal year ending Oct. 31, 1855, Sept. 30, 1857, 1870, Dec. 31, 1873, 1879, 1881–84, 1887, 1891–96, 1898. n. t. p. 8". (In: Annual reports of the departments.)

- Annual report [1, etc.] of the sinking fund commissioner for 1879, 1881, 1883-84, 1887, 1891-96, 1898. n. t. p. 8°. (Ibid.)
- Annual report of the tax assessors and receivers for the fiscal year ending Dec. 31, 1896, 1898. n. t. p. 8°. (Ibid.)

Scranton (Pa.) Annual report of the controller for the fiscal year ending March 31, 1894-95. n. t. p. 8°. (In: Mayor's message and annual reports.)

- Same, separate, 1901. Scranton, 1901. 8°.
- Annual report of the treasurer for the fiscal year ending March 31, 1894-95. n. t. p. 8°. (In: Mayor's message, etc.)

Seattle (Wash.) Report of the comptroller for the fiscal year ending Dec. 31, 1892. n. t. p. 8°. (In: Municipal reports.)

- Same, separate, 1893-99. [Seattle, 1894-] 1000. 8°.

Somerville (Mass.) Statement of receipts and expenditures for the fiscal year [ending the first Monday in March] 1843-45. n. t. p. 8°.

Title changes to:

Expenditures of the town for the fiscal year 1846-49. Somerville, 1846-49. 8°.

Title changes to:

Statement of the treasurer of Somerville, also list of town and county taxes for the fiscal year 1851. Somerville, 1851. 8°.

Title changes to:

Annual report of the expenditures . . . also the taxes assessed for the fiscal year . . . 1852-54. Somerville, 1853-54. 8°.

Title changes to:

Statements of receipts and disbursements of the treasurer for the fiscal year . . . 1856-57, 1859-60, 1863-67, Dec. 31, 1870. n. t. p. 8°. (In: Reports of the School Committee, etc.)

Title changes to:

Treasurer's annual report [2, 4-28] for the fiscal year ending Dec. 31, 1873-99. n. t. p. 8°. (In: Annual reports of the city.)

- Same, separate [1-3], for 1872-74. Somerville, 1873-75. 8°.

The titles of the reports between 1856 and 1870 vary, being either "Statement of receipts and disbursements, etc.," or "Treasurer's report, etc." The report for 1867 covers the period from March 1 to Dec. 31 only. The title of the 11th report of the treasurer, and for all thereafter, is "Report of the treasurer and collector of taxes."

South Bend (Ind.) Annual report of the treasurer for the fiscal year ending Dec. 31, 1896-98. n. t. p. 8°. (In: Annual report of the city officials.)

Springfield (Ill.) Annual report of the comptroller for the fiscal year ending Feb. 28 [29], 1894-99. \*\*. 1. p. 8°. (In: Report of the city officers.)

 Annual report of the treasurer for 1874-99. n. t. p. 8°. (Ibid.)

Springfield (Mass.) Annual report of the auditor for the fiscal year ending Dec. 10, 1879-1901. n. t. p. 8°. (In: Municipal register.)

Annual report of the sinking fund commissioners for 1856-71, 1891-1901. n. t. p. 8°. (Ibid.) Commission was discontinued in 1871, reorganized in 1891

- Annual report of the treasurer for the fiscal year ending Dec. 31, 1853-59, Dec. 1, 1860-67, Dec. 10, 1868-1901. \*\* t. p. 8°. (In: Municipal register.)

Each of the later issues of the municipal register gives a statement of tax collection from the foundation of the city government in 1852 to date.

Syracuse (N. Y.) Annual report of the treasurer for the fiscal year [ending the third Friday in February] 1885, 1891, 1893, Jan. 31, 1897-98.

n. t. p. 8°. (In: Manual, mayor's address, etc.)

- Same, 1889-90, 1893-99. n. t. p. 8°. (In: Proceedings of the common council.)

Taunton (Mass.) Annual report of the committee on finance for the fiscal year ending Nov. 30, 1870-79, 1881-85, 1887-91, 1893-97, 1899. n. t. p. 8°. (In: Municipal register.)

Contains treasurer's report, and tables of receipts and ex-

Annual report [1-11, 13, 16-23] of the sinking fund commissioners for 1878-88, 1890, 1893-1900. [Taunton, 1878-] 1901. 8°. (In: Municipal register.)

- Annual report [1-2] of the auditor for the fiscal year ending Nov. 30, 1898-99. Taunton, 1899-1900. 8°. (Ibid.)

- Annual report of the treasurer for 1900. Taunton, 1901. 8°. (Ibid.)

Toledo (O.) Annual report [12, 13, 16, 24-29] of the finances of the city by the city auditor for the fiscal year ending Dec. 31, 1882-83, 1886, 1894-99. Toledo, 1883-99. 8". (In: Annual reports of the city.)

The 16th, 25-28th annual reports for 1886, 1895-98, are included the 3d, 12-15th annual reports of the trustees of the sinking fund for the years 1886, 1895-98.

- Annual report [8] of the auditor for the fiscal year ending Dec. 31, 1878. Toledo, 1878. 8°.

Trenton (N. J.) Annual report of the treasurer for the fiscal year ending Feb. 28, 1890. n.t.p. 8°. (In: Annual report of the city, etc.)

 Same, separate, 1877, 1895. Trenton, 1877-95. 8°.

The report for 1877 is called "Annual report on finances."

Troy (N. Y.) Annual report [30] of the city chamberlain for the fiscal year ending the first Monday in March, 1855. Troy, 1855. 8°.

- Same [41], for 1866. Troy, 1866. 8°. (In: City documents.)

Continued as:

Financial report [54, 57, 60-61], being report of the comptroller [8, 11, 14-15] for the fiscal year [ending the first Monday in March] 1879, 1882, 1885-86. Troy, 1879-86. 8°.

Title changes to:

Annual report [19-20, 27] of the comptroller for the fiscal year ended Feb. 28, 1890-91, 1898. Troy, 1890-98. 8°.

Annual report of the board of commissioners of the sinking fund for 1865/6. Troy, 1866. 8°. (In: City documents.)

Upton (Mass.) Reports of the selectmen, etc., of the town for the year ending March I, 1850, 1876, 1881-1887, 1889-93. Worcester, n. d.-1893. 8°.

Contains the financial statements.

Woburn (Mass.) Annual report of the town clerk, also receipts and expenditures of the town for the fiscal year ending March 1, 1865. Woburn, 1865. 8°.

Title changes to:

Annual report of the town officers for the fiscal year . . . 1866-71. Woburn, 1866-71. 8°.

Contains financial statements, etc. After this date these statements have a more definite form, as shown below.

--- Annual report of the auditor for the fiscal year . . . 1874-76. n. t. p. 8°. (In: Annual reports of the town officers.

Title changes to:

Annual report of the board of auditors for the fiscal year ending Feb. 28 [29], 1877-83, 1885-86. Woburn, Boston, 1877-86. 8°. (Ibid.)

Title changes to:

Annual report [1-12] of the auditor of the city . . . for the fiscal year ending Dec. 31, 1889-1900. Woburn, 1890-1901. 8°. (Ibid.)

- Valuation, and state, county and town tax of the town for the year 1870. Woburn, 1871. 8°.

Bound with the "Annual reports, etc.," for 1871.

Worcester (Mass.) Annual report [1-3, 11-22] of the treasurer for the fiscal year ending March 31, 1849-50, April 7, 1851, first Monday in January, 1861-72. s. t. p. 8°. (In: City documents.)

A reorganization of the financial department of the city took place at this time, in pursuance of an ordinance relating to finance, passed by the city council on Aug. 28, 1871. Hereafter the fiscal year ends on Nov. 30.

- Annual report of the auditor for the fiscal year ending Nov. 30, 1872-77. n. t. p. 8°. (Ibid.)

- Same, separate, 1872-75, 1878, 1881-85, 1887-89, 1894, 1896-98, 1900. Worcester, 1873-1901. 8°.

Since 1872 the report of the auditor includes the report of

the treasurer, of the sinking fund commissioners, of the city clerk, a schedule of city property, etc.

- --- Communications of boards, committees and departments accompanying the auditor's estimates for 1887, 1889, 1892-95. n. t. p. 8°.
- Tables showing the population, valuation, taxes, appropriations and other statistics of the city from 1850 to 1876. Prepared by the auditor. Worcester, 1876. 16 pp. 8°.
- Same, 1850 to 1889. Worcester, 1890. 22 pp. 8°.
- Valuation and taxes of the town, 1846. Worcester, 1846. 8°.

A table called "Financial view of the city of Worcester," from 1848 to 1867, is printed on p. 312 of the Revised ordinances of 1867; and on p. 297 of the same volume are the names of the town treasurers from 1722 to 1849.

#### PRINCIPAL ACCESSIONS IN JULY.

#### GENERAL WORKS.

**Brockhaus** (F. A.) Brockhaus' Konversations-Lexikon. v. 8. 14. ed. *Leipsig*, 1902. 4°.

Guthrie (A. L.) Index to the Forum. Minneapolis, 1902. 8°.

Larousse (P. A.) Nouveau Larousse illustré. Dictionnaire universel encyclopédique. *Paris*, 1902. v. 5. f°.

**Universal** (The) cyclopædia. *New York*, 1900. New ed. 12 v. 4°.

#### LIBRARY SCIENCE.

Edwards (E.) Memoirs of libraries. 2. ed. London, 1901. 4°.

**Keysser** (A.) Mittheilungen über die Stadtbibliothek in Coeln, 1602-1902. Coeln, 1902. 8°. Stadbibliothek in Coeln. Veroeffentlichungen. Beiheft 4.

#### GENERAL HISTORY AND GEOGRAPHY.

Lindner (Theodor). Weltgeschichte seit der Völkerwanderung. Bd. 2. Stuttgart, 1902. I v.

Sanderson (E.), Lamberton (J. P.), and McGovern (J.) The world's history and its makers. Chicago, 1900-01. 10 v. 8°.

**Scobel** (A.) Handels-Atlas zur Verkehrs- und Wirtschaftsgeographie. *Bielefeld*, 1902. sq. f°.

#### BIOGRAPHY.

### General.

Fragmenta genealogica. v. 7. London, 1902. I v. 4°.

Alphabetical, by subject.

**Sichel** (W.) Bolingbroke and his time. The sequel. *London*, 1902. 8°.

**Bumpus** (E. C.) This tribute is dedicated to the memory of Edward Avery Bumpus. *Norwood*, *Mass.*, 1902. sq. 4°.

Todd (Charles Burr). A general history of the Burr family, with a genealogical record from 1193 to 1902. New York, 1902. 4. ed. 8°.

Merriman (R. B.) Life and letters of Thomas Cromwell. Oxford, 1902. 8°.

**Dalsiel** (G.), and **Dalsiel** (E.) The brothers Dalziel. London, 1902. sq. 4°. Gift of Samuel P. Avery.

**Kelley** (Gwendolyn Dunlevy). A genealogical history of the Dunlevy family. Columbus, O., 1901. 8°.

Charles Eliot, landscape architect. Boston, 1902. 8°.

Stephen (L.) George Eliot. New York, 1902.

12°.
(English men of letters.)

Elizabeth Philippine Marie Hélène, princess of France. The life and letters of Madame Elisabeth de France. London, 1902. 8°.

Henry Baldwin Hyde: a biographical sketch. New York, 1901. 8°.

(Equitable Life Assurance Society of the United States.) Gift of J. H. Hyde,

Lothar (R.) Henrik Ibsen. Leipzig, 1902. 8°. (Dichter und Darsteller, v. 8.)

**Thomson** (A. K.) Memorials of Charles Dixon Kimber. *London*, 1902. 12°.

Watson (R. W. S.) Maximilian I. West-minster, 1902. 8°.

**Memoir** (A) of the life of John Codman Ropes. Boston, 1901. 4°. Gift of J. R. Chadwick.

Riley (J. W.) The founder of Mormonism [Joseph Smith]. New York, 1902. 12°.

**Benson** (Charles B.) Abraham van Deusen and many of his descendants, with biographical notes, 1635–1901. *New York* [cop. 1901]. 8°.

Wood (E. A.) Memorials of James Wood. London, 1902. 12°.

#### America.

Anderson (John J.), and Flick (A. C.) A short history of the State of New York. New York [cop. 1902]. 12°.

**Bell** (Mrs. Euphemia Young). From different view points. Beautiful Bermuda. New York, 1902.

Brink (Benjamin Myer). The early history of Saugerties, 1660–1825. Kingston, N. Y., 1902.

Burney (James). History of the buccaneers of America. *London*, 1902. 16°.

Fowke (G.) Archæological history of Ohio. Columbus, 1902. 8°.

Mars (A.) Reminiscences of Santa Clara Valley and San José. San Francisco, 1901. 8°.

New Jersey, as a colony and as a State. Biographical volume. New York, 1902. 8°.

Stokes (A. P.) Cruising in the West Indies. New York, 1902. 8°. Gift of the author.

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EUROPE.

Belschner (C.) Geschichte von Württemberg. Stuttgart, 1902. f°.
Crosland (T. W. H.) The unspeakable Scot.

London, 1902. 12°.

Dale (Lucy). The principles of English consti-

tutional history. New York, 1902. 12°.

Enevelopédie municipale de la ville de Paris.

Encyclopédie municipale de la ville de Paris. Paris, 1902. 4°.

**Pierens-Gevaert** (H.) Psychologie d'une ville: essai sur Bruges. *Paris*, 1901. 12°.

(Bibliothèque de philosophie contemporaine.)

Froissart (J.) The chronicle of Froissart. v. 4. London, 1902. 8°.

(Tudor translations, v. 30.)

**History** (A) of Northumberland. v. 6. New-castle-upon-Tyne, 1902. 4°.

Les élections en Europe à la fin du XIX<sup>e</sup>. siècle. *Paris*, 1902. 12°.

Leroy Beaulieu (A.) Les doctrines de haine: l'antisémitisme, l'antiprotestantisme, l'anticlericalisme. *Paris*, 1902. 12°.

Lettow-Vorbeck (O. von). Geschichte des Krieges von 1866 in Deutschland. Bd. 3. Berlin, 1902. 8°.

Little (A. G.) Mediæval Wales. London, 1902.

Neumann (L.) Der Schwarzwald. Bielefeld, 1902. 4°.

(Land und Leute.)

**Nicolas-on**, pseud. Histoire du développement économique de la Russie depuis l'affranchissement des serfs. Paris, 1902. 8°.

Saussure (C. de). A foreign view of England in the reigns of George I. and George II. Letters. London, 1902. 8°.

Seignobos (Charles). History of the Roman people. Translation [from the French]. New York, 1902. 12°.

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#### AFRICA AND ASIA.

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Tiessen (E.) China. Teil I. Berlin, 1902.

(Bibliothek der Länderkunde, Bd. 10-11.)

#### Music, Art.

**Blau** (E.) Le roi d'Ys: opéra. *Paris*, 1902. 7. ed. 12°.

**Boise** (O. B.) Music and its masters. *Philadelphia*, 1902. 12°.

**Crowest** (Frederick J.) The story of the art of music. *New York*, 1902. 16°.

Cummings (W. H.) God save the King. The history of the national anthem. London, 1902. 8°.

Fox (A. H. Lane), afterwards Fox-Pitt-Rivers. Antique works of art from Benin. [London,] 1900. sq. f.

**Hueffer** (Ford Madox). Rossetti, a critical essay on his art. *London* [1902]. 16°.

Streatfield (R. H.) The opera. A sketch of the development of opera. London, 1902. 8°.

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#### SPORT.

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#### LITERATURE.

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#### ECONOMICS.

Conrad (J.) Grundriss zum Studium der politischen Oekonomie. v. 1. Jena, 1902. 4. ed. 4°.

Fuisting (B.) Die preussischen direkten Steuern. Bd. 4. Berlin, 1902. 8°.

**Hamilton** (J. H.) Savings and savings institutions. New York, 1902. 12°.

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Oncken (A.) Geschichte der Nationaloekonomie. Th. 1. Leipsig, 1902. 4°. (Hand und Lehrbuch der Staatswissenschaften. Abth. 1, Bd. 2, Th. 1.)

Bd. 2, Th. 1.)

Struts (G.) Der Staatshaushalt und die Finanzen Preussens. Bd. 1, Lief. 1. Berlin,

1900. 4°.

Reinsch (P. S.) Colonial government. New

**Reinsch** (P. S.) Colonial government. *New* **York**, 1902. 12°.

(Citizens' library.)

Weber (Adolf). Depositenbanken und Spekulationsbanken. Leipzig, 1902. 8°.

#### Sociology.

Anzoletti (L.) Il divorzio e la donna italiana. *Milano*, 1902. 12°.

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(Romanes lecture, 1902.)

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Quellen u. Forschungen zur Sprach-u. Culturgeschichte der germanischen Völker... v. 91.

Sherard (R. H.) The closed door. Pauper

**Sherard** (R. H.) The closed door. Pauper immigrants in New York harbour. *London*, 1902. 12°.

#### JEWS.

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#### EDUCATION.

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Elektrotechnischen (Die) Lehrinstitute Deutschlands. Steglits-Berlin, 1902. 8°.

Malden (H. E.) Trinity Hall. London, 1902. 8°.

(College histories. Cambridge.)

**O'Donnell** (F. H.) The ruins of education in Ireland. *London*, 1902. 8°.

#### PHYSICS.

Kayser (H.) Handbuch der Spectroscopie. Bd. 2. Leipzig, 1902. 4°.

#### NATURAL SCIENCE.

**Drake** (Mrs. Emma F. Angell), M.D. Purity and truth . . . What a woman of forty-five ought to know. *Philadelphia* [cop. 1902]. 16°.

Emerton (J. H.) The common spiders of the United States. Boston, 1902. 8°.

Fuerst (K. M.) Index-Tabellen zum anthropometrischen Gebrauche. *Jena*, 1902. sq. f°.

**Kirchner** (O.), and **Boltshauser** (H.) Atlas der Krankheiten und Beschädigungen unserer landwirtschaftlichen Kulturpflanzen. Ser. 6. Stuttgart, 1902. 8°.

#### INDUSTRIES AND INDUSTRIAL ARTS.

**Bjoerling** (Philip R.) Pipes and tubes, their construction and jointing together. *London*, 1902. 12°.

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Isendahl (W.) Maschinentechnisches Taschenwörterbuch in drei Sprachen, mit besonderer Rücksicht auf Automobilismus und Elektrotechnik. Französisch-Deutsch-Englisch. Berlin, 1902. 16°.

**Lebour-Fawssett** (Mme. Emilie). French cookery for ladies, by "a Cordon Bleu" (Mme. E. L.-F.) London, 1902. new ed. 12°.

Lehner (Sigmund). Ink manufacture... Translated from the German of the 5. ed. London, 1902. 12°.

**Mathieu** (H.) Manuel du chauffeur-mécanicien. *Paris*, 1902. 2. ed. 8°.

Montillot (L.) Téléphone pratique. Paris, 1902. 2 ed. 2 v. 8°.

Piaz (Antonio dal). Die Konservierung von Traubenmost Fruchtsäften, und die Herstellung alkoholfreier Getränke. *Wien*, 1902. 12°.

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Rossi (A.) Manuale del profumiere. *Milano*. 1902. 12°. (Manuali Hoepli.)

**Springer** (E. A.) Der praktische Woll- und Halbwoll-Färber. *Leipsig* 1902. 8°. (Huberti's (L.) praktische gewerbliche Bibliothek.)

Strukel (M.) Der Wasserbau. Teil 3. Helsingfors, 1902. 4°.

**Taylor**(C. M.) Why my photographs are bad. *Philadelphia*, 1902. 8°.

Tuscan (In a) garden. London, 1902. 12°.

Weilandt (C.) Der Aluminiumdruck. Wien [1902?]. 12°. (Hartleben's chemisch-technische Bibliothek.)

MILITARY AND NAVAL ART AND SCIENCE.

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Gedenkblaetter der k. und k. Kriegs-Marine. Bd. 4. Pola, 1902. 12°.

Mets (J. A.) Naval heroes of Holland. New York, 1902. 12°.

Naval (The) Miscellany; edited by J. K. Laughton. v. I. [London,] 1902. 8°.

Navy Records Soc. Pub. v. 20.
(Proudfit Collection.)

Palma (F. di). Mare e navi (vita navale italiana del 1901). Napoli, 1902. 8°.

Plueddemann (M.) Modernes Seekriegswesen. Berlin, 1902. 8°. (Proudfit Collection.)

#### PHILOSOPHY.

Albee (Ernest). A history of English utilitarianism. London, 1902. 8°.

**Berachya Hanakdan.** The ethical treatises of Berachya. *London*, 1902. 4°.

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**Philosophische** Abhandlungen; dem Andenken Rudolf Hayms gewidmet von Freunden und Schülern. *Halle a. S.*, 1902. 8°.

**Richards** (L. S.) The universe in brief. *Plymouth*, 1900. 8°. Gift of author.

**Tennant** (F. R.) The origin and propagation of sin, being the Hulsean lectures delivered before the University of Cambridge in 1901-2. Cambridge, 1902. 12°.

Vivekananda, Swami. Vedanta philosophy: lectures on jnana yoga. New York [cop. 1902]. 12°.

Washington (B. T.) Character building. New York, 1902. 8°.

#### THEOLOGY.

Fairbairn (A. M.) The philosophy of the Christian religion. *London*, 1902. 2. ed. 8°.

**Pearson** (C. W.) The carpenter prophet: a life of Jesus Christ. *Chicago*, 1902. 12°.

#### PHILOLOGY.

Arteaga y Pereira (Fernando de). Practical Spanish. A grammar of the Spanish language... part 1-2. London, 1902. 2 v. 12°.

Farmer (John S.), and Henley (W. E.) Slang and its analogues, past and present . . . vol. v, part iii. [London,] 1902. 8°.

St. Clair-Tisdall (Rev. W.) Modern Persian conversation-grammar with reading lessons, English-Persian vocabulary and Persian letters. London, 1902. 8°.

**Stoett** (F. A.) Nederlandsche Spreekwoorden. Zutphen, 1901. 8°.

**Woordenboek** der Nederlandsche taal. Deel 3, stuk 1. 's Gravenhage, 1902. 4°.

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Entered at the Post Office at New York, N. Y., as second-class matter, January 30, 1897, under Act of July 16, 1894.

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OF THE

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# Volume VI · Number 9 September 1902

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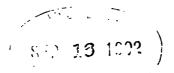
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OF THE

# NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

Vol. VI.

SEPTEMBER, 1902.

No. 9.

#### REPORT FOR AUGUST.

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During the month of August there were received at the Library, by purchase, 1,246 volumes and 433 pamphlets; by gift, 1,336 volumes, 1,981 pamphlets, and 87 maps; and by exchange, 54 volumes and 32 pamphlets.

There were catalogued 2,505 volumes and 1,129 pamphlets, for which purpose 4,588 cards and 990 slips for the copying machine were written, and 7,473 cards were received from the copying machine.

The following table shows the number of readers, and the number of volumes consulted, in both the Astor and Lenox Branches of the Library, also the number of visitors to the Print Department at the Lenox, during the month:

	LENOX.	ASTOR.	
No. of readers and visitors	2,981 1,863 838 4,601	9,319 9,319 8,120 25,209 358	
Number of visitors to Print Exhibit, etc	1,348		

#### CIRCULATION DEPARTMENT.

The most popular books for the month of August were (in non-fiction): Roberts's "Kindred of the Wild," Hancock's "Life at West Point," and Creevey's "Flowers of Field, Hill and Swamp;" (adult fiction) Wister's "The Virginian," Caine's "The Eternal City," and Doyle's "The Hound of the Baskervilles;" (juvenile fiction) Hegan's "Mrs. Wiggs of the Cabbage Patch," Ray's "Teddy, Her Book," and Wells's "Story of Betty."

#### CIRCULATION STATISTICS.

	CIRCUL	ATION.	NEW REGISTRA- TIONS.	READERS II	VOLUMES	
Branches.	HOME USE.	TOTAL.		MINORS.	TOTAL.	ACCES- SIONED.
Bond Street	9, 187	9,447	144	489	2,360	47
Ottendorfer	14,511	14,983	203	1,088	3, 118	34
George Bruce	11,119	12,551	149	1,025	1,432	19
Jackson Square	8,579	9, 295	113	220	I,535	81
Harlem	9,664	10,573	153	1,030	1,780	87
Muhlenberg	8, 108	10,217	117	978	2,109	51
Bloomingdale	12,445	13,562	137	1,088	2,343	23
Riverside	4,038	4,953	87	997	1,680	23
Yorkville	12,061	13,398	150	1,026	1,337	106
Thirty-fourth Street	4,036	5,638	47	1,062	1,602	24
Chatham Square	8,877	9,087	112	86	210	4
St. Agnes	8,719	9,937	96	756	2,024	97
Washington Heights	7,668	8,637	107	2,595	5,232	61
Travelling	31,815	31,815				
	150,827	164,093	1,615	12,440	26,762	657

The more important gifts of the month were:—From the Academia Romana in Bucuresci, 10 of its publications; from Major S. T. Armstrong, 13 volumes and 3 pamphlets, early educational works of New England; from S. P. Avery, 4 volumes and 7 pamphlets; from Spiridion Brusina, 2 volumes and 1 pamphlet, in Hungarian; from the King's Printer, Canada, 9 volumes of Canadian documents; from John D. Crimmins, 3 copies of his "St. Patrick's Day;" from V. Danksys, a grammar of the Lithuanian language; from Mrs. Henry Draper, 2 volumes; from W. C. and Paul L. Ford, 80 broadsides of the Continental Congress, and from W. C. Ford, the following manuscripts: 2 South Carolina orderly books (1780), 11 Resolutions of the Continental Congress (1776-1786), 4 messages of George III. to the House of Commons during the Revolutionary War, a book of South Caro. lina "Revolutionary Memoranda," and a sermon preached at Scituate, Mass., Feb. 8, 1712-3; from the Clerk of the County Council, Gloucestershire, 1 volume and 37 pamphlets; from the Long Island Historical Society, 205 volumes and 107 pamphlets; from the Mayor of Riga, Russia, 8 volumes of the city documents; from W. M. Voynich, a facsimile of the recently-discovered manuscript map supposed to antedate Mercator's projection; from Charles Scribner's Sons, 19 progressive proofs of cover of Scribner's Magazine for April, 1902.

The exhibition of Rossetti prints and those relating to Victor Hugo at the Lenox was continued; and at the Astor, the plates from Mollinier's "Royal Interiors" and "Das Interieur."

The new exhibitions at the circulation branches were as follows: OTTENDORFER, Summer reading; Jackson Square, Labor day; Bloomingdale, English historical novels for boys.

5 140 t. (1750-1767)

#### INDIAN AFFAIRS IN 1750-1767.

Printed from the Hardwicke Manuscripts in the New York Public Library.

PETRUS USCAN TO EDWARD BOSCAWEN.

HONOURABLE SIR

I hope this will find your Honour safely arrived in London and in Perfect State of health, which I always wish to hear.

The Esteem which your Honour hath been pleased to honour me with when here, Encourages me to Commend myself to you and altho' I am sensible that your Honour will have a full & particular Account of the State of Affairs of this Coast from Major Lawrence and several other Gentlemen, yet the great regard and Deference I have for you induces me humbly presume to give you a short Account of some Affairs of these parts as far as my knowledge persuades me, that during your Honours stay upon the Coast, The French Hidayet Mohyodean Cawn & Chunda Saheb were very silent in their proceedings, But soon after your Departure, they went out with a great Body of the Country Force, Europeans and a Train of Artillery against some Considerable Polligars in the Country, and offered an Attack to Warriapollum and after having plundered & Harrassed most part of the Country belonging to it, they Distressed the Governour of it, altho' he made all possible Defense and fought with them to the Utmost of his Power, and subdued him to agree the payment of a Tribute of two hundred thousand Rupees.

They afterwards went to Tanjore and after Harrassed and plundered a great part of the Kingdom, laid a strong Siege to the Fort of Tanjore. The King of Tanjore, who was no ways Defective in Courage and Conduct, used his best Endeavours to defend his Metropolis and defeat his enemy's, if possible, but have not been capable to Succeed therein, by reason of the conjunction of the French Force with the Moors and we were Generally of Opinion that had not the English sent some Assistance by sparing Ammunition and lending some of their Gunroom crew to the King, Tanjore would have been taken long before, but as this gave the King a very little Succour in his Desperation he was at Last Compelled to agree the payment of a Tribute of between 30 & 40 hundred thousand Rupees to Hidayet Mohyodean Cawn and the French were solliciting to obtain 100 Villages for themselves towards Carakoll But in the Mean time Nansir Jung arriving at the Frontiers of the Province sent a Body of or about 25000 Morattas to relieve Tanjore; This reinforcement, together with the Force of the King of Tanjore, defeated Hidayet Mohyodean Cawns, and the French, as they had been already tired by the many skirmishes and engagements they had with the Tanjoreens in their frequent Sally's and soon after their approach into the Limits of Pondicherry, Nansir Jung arrived in the Province, which alarmed them to go into the Town & rendered us hopes of seeing some Successful Feat.

Nansir Jung afterwards Moved his Army towards Pondicherry but in his Way

the English sent their Ambassadors with Presents to Compliment him and they were well received by him; when this great Man was Encamped between 15 & 20 Miles Distant Westward from Pondicherry, Hidayet Mohydean Cawn & Chunda Saheb with an Army of Twelve thousand Horse and twenty thousand foot and with the Auxilliary party of the French Force and Artillery, went out to Battle against Nansir Jungs Army which (as I was told) was Consisted of or about Sixty thousand Horse. The two Army's having fought some hours in the Field, and had not the English joined their Force under the Command of Major Lawrence and Capt<sup>n</sup> Cope (The Latter being arrived with all his Men from Tritchenoply in Mahomud Ally Cawn's Company,) with Nansir Jung's, it wou'd have been above Nansir Jung's Capacity to find any Success in this Battle. The Conclusion of which retreated Chunda Saheb and the French into Pondicherry and obliged Hidayet Mohyodean Cawn to offer himself a Prisoner to Nansir Jung. I was informed that Nansir Jung desired Major Laurence & Capt Cope to Assist him in his resolution of Attacking Pondicherry but they excused themselves by reason of its being Detrimental to the Articles of Peace settled between the King of England and that of France and Added that if the French should offer to Engage with him or any party's of his Army in the Field, they cou'd then assist him. Nansir Jung afterwards went to Arcot, where he made Hidayet Mohyodean Cawn a close Prisoner. Major Laurence retired to Fort St David & I was informed that Nansir Jung was something Dissatisfied with the English when Major Departed from him.

Most part of Hidayet Mohyodean Cawns troops that were defeated in the Battle have been Scattered into several parts of the Province, some gott themselves introduced into Nansir Jungs Service and a small part retired to Pondicherry and are with Chunda Saheb and Hidayet Mohyodean Cawns Family there. Hidayet Mohyodean Cawn's Family still remain in Pondicherry, and altho' Nansir Jung Demanded the Delivery of them, yet Mr. Duplex absolutely refused to Comply therewith and as they Voluntarily made choice to live in Pondicherry till they see the End of Affairs he Entertains them with great deal of honor and respect.

The French soon afterwards proclaimed Hidayet Mohyodean Cawn's Son (who is but an Infant) Nabob of Arcot and other provinces and made great Ceremonial Feasts in Pondicherry upon that Occasion and upon this pretence they are fully resolved to make themselves Governours of the whole Coast, having already sent several parties of their Miletary to take possession of sundry Towns and Villages in the Province, where they hoisted their colours but Nansir Jungs Forces never omitt to Disturb them therein which created no little Confusion in the Country & Occasioned many Skirmishes between them, wherein I imagine the French have lost near 1000 white Men and great many Sepahees, Topasses, peons and other Blacks and as far as Mr. Duplex lives upon the Coast, I do not believe there will be any End of these Affairs and troubles in the Country.

I must more particularly acquaint your hon that sometime ago the French sent two of their Ships to Metchelepatam and Landed a Party of their Miletary there, who took Possession of that Town, and are now very troublesome to the Country about it. They have soon afterwards prohibited the Dutch from hoisting their Colours in their Factory and stopt their Trade there which obliged the Governour & Council of Negapatam to apply to Mr. Duplex and Council for Permission which was Granted to them.

Nansir Jung, upon hearing the Loss of Metchelepatam ordered a Party of his Force to be sent thither and wrote to the several Nabobs, Zemidars and Polligars to the Northward to join with them in the said Expedition, and I cannot tell what Course the Affairs will take there hereafter.

When Nansir Jung was at Distance it was the Universal Opinion in these parts that Nansir Jung was very Compleat in Courage and Conduct but Since his arrival in the Country, he proved very much on the Contrary: Had he remained in Hyderaband & sent some of his Generals and other Officers with an Army down this way, the French would entertain some Dread of him and wou'd have paid more regard to his Orders in his absence than what they now do in his presence. Thus he has been the Occasion of Diminishing & Despising the Grandeur of the Mogulls Government.

I was likewise informed that M<sup>r</sup>. Duplex had sent to Nansir Jung for Solliciting to reinstate Hidayet Mohyodean Cawn upon the Nabobship and make Chund a Saheb Divan and offered his Security for the regular Payment of the rent of the Country, Threatening at the same time, that in case of his refusal therein, he, the said Nansir Jung will shortly see very Disagreeable issues.

When Mahamud Ally Cawn was Encamped near Irewidy very lately, The French sent a Party of their Miletary and Sepahees against him, and I am told there have been a very hott Engagement between them, but the French after Wounding & Killing a great many Moors, Defeated Mahomud Ally Cawn and obtained a Most Successful Victory by making prize of many Elephants, Camels, Horses, and other Cattle as also some Treasure and most Valuable Effects and things of the Camp that were left Behind. But as I am far Distant from the place where these Facts were committed, I cannot pretend to give your Honour more particular Account than what you can expect from Fort St David. When this Unhappy News reached Nansir Jungs Ears he was highly incensed therewith, and is fully Determined to Carry all his Camp and offer a Siege to Pondicherry but some people say that he is Secretly inclined to leave Hidayet Mohyodean Cawn and Chunda Saheb upon the Government of the Country according to Mr. Duplexes Sollictitation and return to Hyderaband.

M<sup>r</sup>. Duplex still Entertains a very great Malice for the English and would never omit any opportunity of doing them a prejudice in his power, & I Pity that the English have neither Fortified nor Garrisoned Madras in a proper manner but left it in such a Dangerous Condition that no one can repose any Confidence or hopes of Safety in it.

There is an Injenier lately arrived in Fort St David with an Orders from the Company to Fortifye Madras, but I am informed that he will only draw a plan at Present to be sent to the Company, and before he knew their pleasure, he cannot commence proceeding to Fortifye the place and I humbly presume to Observe to your Honour that if the Company are not pleased to send proper orders to make as much Inclosure to the Black Town & Pettahs of Madras as the French had done to Pondicherry, Madras will never be populous again and the Company as well as the English and other Inhabitants, will thereby be very great Sufferers sometime or other hereafter as they have been lately, and as your honour was personally here, you will not fail to Sollict what will be for the General good of Madras.

Your Honour is very Sensible that Fort St David doth not Situate in the

Mouth of the Province as well as Madras, besides which the Inconveniency of the Road &c will not at all Encourage any Merchants to carry their Ships or Vessels there and if the Company are not pleased to make Madras Presidency as before, they will gain Nothing in Fort St David by reasons before mentioned but if they are pleased to make a restitution to Madras, it will be the Only Occasion to promote their Indian Trade; for it had & still has a very great Name through all India and other parts of the World and that all Nabobs, Rajahs, Mansubdars, Zemidars, Polligars, and other Powerful Persons in the Country as well as Natives and Europeans and other Foreigners have a very great dependance upon it and bear no little Affection and Attachment to it, and Notwithstanding it had been plundered and Destroyed and reduced to Poverty, Yet it is far Superior to Fort St David still as well in Riches and Trade, as in other Circumstances and if the Company shou'd please to Examine their Accounts, they will find that the Amount of Customs produced here since the Restoration, is Notoriously above what had been produced in Fort St David for these three Years past.

The Present Circumstance of Madras creates no little Apprehension in my Mind, that if it should happen to broke out War again, (which God forbid) I am apt to Believe the French can easily take it in two days time, as they have once taken it and lived here for three several Years they are Perfectly Acquainted with the State, Situation and Circumstance of the place and then you may be assured that they will destroy it entirely in order to Desparate the English, If Madras should be Fortifyed, well Garrisoned, and Governed regularly, it will in some respects, take the resemblance of a Royal Metropolis in India and increase the reputation and Dignity of the English Nation in General.

The Company have been at a Considerable Expence and trouble as well for procuring Several Towns & Villages in India as for erecting and Establishing Settlements and Factorys there, But if they do not duely Consider proper means to take care and preserve them, they shall run a very good risque as they have already been.

I believe your Honour cannot be Ignorant of the late Alterations at Fort St David that upon arrival of Ship Lynn from England lately, Mr. Floyer and some other Gentlemen were immediately Turned out Mr. Sauders the late chief of Vizagapatam was ordered to Succeed, but as he was as not yet arrived there, Major Laurence has the Charge of the Direction of Fort St David and that Madras is under Mr. Princes Directions and as I am very Sensible that your Honour will have a full Account of the Present State of Affairs of Madras from other hands I will not be any ways troublesome to you upon that Purpose but humbly beg leave to Observe to you that the present State of Madras and Circumstances of the Country require a Capable good Governour, that has Courage and Deliberate resolution, worthy and well beloved to Justice, perfectly skilled and Qualified in making use of the Virtues of Patience and Quick Dispositions and thoroughly versed in all other Political Qualities, and if the Company have any Attachment to the Welfare of Madras, and all their other Settlements in India they should be so wise to Sollicit with his Most Sovereign Majesty to lend your Honour for the Administration of their Government and also prevail upon you by making worth your while to accept it and when you are come out with both the Kings and the Companys Commissions. Generally to Administer all Affairs of the English Nation in India

as well as the General of Batavia acts for the Dutch, I make no Doubt but you will be able to Answer the Universal Satisfaction of those in India and Europe, and then it will promote the General Trade and Settle all Affairs of India in a most cheerful Manner and I pray God to settle the English Government in India after the manner aforementioned.

It is not a Complimental Expression that I write this to your Honour but I do assure you that unless it pleases God Almighty to send your Honour down to India once more to settle all its Affairs, nothing will take proper Course in this part of the World and I flatter myself that I, who is of or about seventy years old & who inhabits in Madras these 46 years since, am very much afflicted for the present ill Situation and bad Circumstances of Madras and when I returned to this place from the Country soon after its restoration I was not a little Contented or Satisfied to see the English Colours hoisted here and Expected that by the Encouragement and Chearfulness of the Management of the place we might be so Fortunate to forgett all our Losses and Misfortunes and Comfort ourselves but I am sorry to acquaint your Honour that in these my Latter days I have the misfortune to see the condition of the place and hear the most Greivous Lamentations of the People here and I wish that I may once have the pleasure of seeing the reflourishment and happy state of Madras in the remaining part of my life.

The French have lately taken Chingy from the Moors and are now there Nansir Jung who was enraged & ashamed at hearing this reproachful News Determined to carry his troops against them, and it is above a Fortnight since he left Arcot and is Encamped about four or five Miles from it he has already Summoned some Morattas for his Assistance and expects a great many more.

The French had been so Compleat in their Politicks that they made a very great Interest with Shauh Nevaji Cawn, Nansir Jung's General and Moorapandut his head Minister and Divan. Their design in doing it was to reap no little Advantage by it, in one way or other which is, that the Secret Correspondence and Intimacy between them and the persons before mentioned, might be, (as it had been) of service to them, in Disencouraging the troops and officers from Behaving Courageously in their Engagements and Capacitate them to find speedy success therein, that there may be needless to expose themselves to any further risque, But in Case of Discovery, they were well assured, that it would be the only means of creating no little Confusion in his Camp which might, of Consequence, Persuade Nansir Jung to Distrust all or Most of his Ministers, Companions, officers and attendants to the utter prejudice and hinderance of all his Affairs and proceedings and as the French had gained the Effects of their abovementioned designs they are now perfectly easy in their thoughts.

I am informed that Nansir Jung is now so Great a Enemy to the English as he is to the French and I am very sorry to find the miscarriage of our late Gentleman of Fort St David in obtaining to their Nation, the Enmity and variance of both Nansir Jung and Hidayet Mohyodean Cawn &c, but I do assure your honour that I am entirely Ignorant of the particulars of their Conduct.

As I am the only person Disinterested I desire nothing else further than the honour of continuing myself under y! protection & Esteem & humbly beg that your Honour will always do me the favour of receiving your Commands

May God in Heavens preserve your Health and prosper all your affairs and undertakings are the repeated heartiest wishes and prayers of

# Honourable Sir Your Honours Most obedient and Most oblijd faithfull Humble Servant

PETRUS USCAN

FORT ST GEORGE SEPTEMBER 30. 1750

LORD CLIVE TO THE COURT OF DIRECTORS OF THE EAST INDIA COMPANY.

CALCUTTA, 30 SEPTEMBER 1765

#### GENTLEMEN

- rst By the Letter from the Select Committee and Copy of their Proceedings which are transmitted to you by this Conveyance, you will be enabled to form a General Idea of the State of this Settlement on the arrival of the Ship Kent, together with the Measures we thought necessary to pursue in order to settle the Company's affairs in these Provinces, upon an Advantageous and permanent Foundation. You will permit me however to lay before you my own Sentiments in particular concerning those Measures, and to communicate also by this earliest opportunity such others as I wish should be adopted before I quit the Government and which I hope will be not only approved of but likewise so fully confirmed and established by the Court of Directors that the abuses which may otherwise be revived by the Ambition and Avarice of some future Governors or Council may be effectually prevented.
- Upon my Arrival I am sorry to say I found your Affairs in a Condition so nearly desperate as would have alarmed any set of Men, whose sense of Honor and Duty to their Employers had not been estranged by the too eager pursuit of their own immediate Advantages. the sudden and among many the unwarrantable Acquisition of Riches had introduced Luxury in every Shape, and in its most pernicious Excess. These two enormous Evils went hand in hand together thro' the whole Presidency, infecting almost every Member of each Department; every Inferior seemed to have grasped at Wealth that he might be enabled to assume that Spirit of Profusion which was now the only Distinction between him and his Superior. Thus all Distinctions ceased and every Rank became in a manner upon an equality. Nor was this the End of the Mischief, for a Contest of such a Nature among your Servants necessarily destroyed all Proportion between their wants and the honest means of satisfying them. In a Country where Money is plenty, where Fear is the Principle of Government, where your Arms are ever victorious, in such a Country, I say, it is no wonder that the Lust of Riches should readily embrace the proffered means of its Gratification or that the Instruments of your Power should avail themselves of their authority and proceed even to Extortion in those Cases where simple Corruption could not keep Pace with their Rapacity. Examples of this sort set by Superiors could not fail of being followed in a proportionate Degrees by Inferiors. The Evil was contagious and spread among both Civic and Military down to the Writer and the Free Merchant.

- The large sums of money acquired by Donation, besides the means I have already mentioned were so publickly known and vindicated that every one thought he had a Right to enrich himself at all Events, with as much Expedition as possi ble. The Monopoly of Salt, Beetle, Tobacco &c was another Fund of immense profits to the Companys Servants, and likewise to such others as they permitted to enjoy a share while not a Rupee of advantage accrued to the Government and very little to the Company from that Trade. Before I had discovered these various sources of Wealth I was under great Astonishment to find Individuals so suddenly enriched that there was scarce a Gentleman in the Settlemt who had not fixed upon a very short Period for his Return to England with affluence; From hence arose that froward Spirit of Independency which in a manner set all your Orders at Defiance, and dictated a total Contempt of them as often as obediance was found incompatible with private Interest. At the time of my arrival, I saw nothing that bore the Form or Appearance of Government, the authority and preheminence were levelled with those of the Councellors, every Councillor was as much a Governor as he who bore the name and Distinction of Rank as I have already observed was no longer to be found in the whole Settlement Notwithstanding a Special Order from the Court of Directors, founded on very wise and and very evident Reasons that all Correspondence with the Country Powers should be carried on solely in the Governors name, I found that our whole Correspondence with the Great Mogul, the Seebahs, Nabobs and Rajahs had been of late carried on by and in the name of the whole Board and that every Servant and Free Merchant corresponded with whom they pleased.
- 4th. Your orders for the Execution of the Covenants were positive and expresely mentioned to be the resolution of a General Court of Proprietors. Your Servants at Bengal however absolutely determined to reject them, and had not the select Committee resolved that the Example should be first set by the Council or a Suspension from your Service take place it is certain they would have remained unexecuted to this hour: You will not I imagin be much surprized at this Breach of Duty if you look over the General Letters, where you cannot avoid seeing how many are annually committed and how fast everything was tending to a Contempt of your Authority. From a short Survey of the late Transactions I was convinced that no other Remedy was left than an immediate and vigorous Exertion of the Powers with which the Committee were invested. Happy in my opinion was it for the Company that such Powers were granted, for that the Settlement so conducted could have subsisted another twelvemonth, appears to me an impossibility A great part of the revenues of the country amounting to near four Millions Sterling per annum would have been divided among your Servants, and the acquisition of Fortunes being so sudden a few months must have brought Writers into Council. Seniority must have been admitted as a just claim to a Seat at the Board without the Qualification of Age or Experience because the Rapidity of Succession denied the attainment of either.
- 5<sup>th</sup> Nor were these Excesses confined to your Civic Servants alone, the Military Department also had caught the Infection and Riches the Bane of Discipline, were daily promoting the Ruin of your Army. The too little inequality of Rank rendered the advantages of Captains, Lieutenants & Ensigns so nearly upon a Par

and so large that an independent Fortune was no distant prospect even to a Subaltern. If a too quick Succession among those from whom you expect the study of Commerce and Polity is detrimental to your Civic Concerns, how effectually destructive must that Evil prove to your Military operations. The most experienced European Officer when he has entered into the East India Service, altho he may be able in many points to suggest Improvement to others, will nevertheless find that something new remains for himself to learn peculiar to this service which cannot be obtained in a Day. Judge then how the Case must stand then with Youths who are either just sent out from the Academy or which more frequently happens, who have had no Education at all: for to such have we often been reduced to the necessity of granting Commissions. How much must the expectation of your Army be raised, when they are suffered without Controul to take Possession for themselves of the whole Booty-Donation Money and Plunder on the Capture of a City? This I can assure you happened at Benares, and what is more surprizing the then Governour and Council, so far from laying in a Claim to the Moiety which ought to have been reserved for the Company agreeable to those positive Orders from the Court of Directors, of a few years ago, when they were pleased to put their forces upon the same footing as those of His Majesty gave up the whole to the Captors-You have heard of the General Mutiny that happened among your Seapoys, a little before my Arrival-what would have been your Consternation, had you also heard of an unanimous Desertion of your European Soldiery? These were very serious Events indeed and had it not been for one well timed vigorous act of Major Munro and the unwearied Zeal and Military Abilities of General Carnac who totally suppressed the Spirit of Mutiny among the Soldiers your Possessions in India, might at this time have been destitute of a Man to support them and even the Privilege of Commerce irrevocably crushed. Common Justice to the Principles and conduct of General Carnac obliges me farther to add that I found him the only officer of Rank who had resisted the Temptations to which by his Station he was constantly subject of acquiring an immense Fortune; and I question much whether he is not the only Man who has of late years been honoured with the Command of your Forces without acquiring a very large Independency. The Letter from the Great Mogul to the Governor and Council requesting their Permission for him to accept a present of two Laak which his Majesty is desirous of bestowing on him as a Reward for his disinterested Services will corroborate what I have said in his favour, and as this affair agreable to the Tenor of the Covenants is referred to the Court of Directors, I make no doubt they will readily embrace the opportunity of showing their Regard to such distinguished Merit by consenting to his acceptance of His Majesty's Bounty.

6th If the picture I have drawn be a faithful likeness of this Presidency; and I call upon the most guilty: for guilty there are, to shew that I have aggravated a Feature to what a deplorable condition must your affairs have soon be reduced? Every State (and such now is your Government in India) must be near its Period when the Rage of Luxury and Corruption has seized upon its Leaders and Inhabitants. Can Trade be encouraged for Public Benefit, where the Management unfortunately devolve upon those who make private Interest their Rule of Action. And farther has sudden affluence ever failed from the Infancy of Military Discipline, to the present perfection of it, to corrupt the Principle and destroy the

Spirit of an Army? Independency of Fortune is always averse to those Duties of Subordination which are inseparable from the Life of a Soldier and in this Country, if the acquisition be sudden a Relaxation of Discipline is more immediately the Consequence. I would not be thought by these observations to exclude Riches from the Military: Honour alone is scarcely a sufficient Reward for the toilsome Service of the Field: But the acquisition of Wealth ought to be so gradual, as to admit not a prospect of compleating it till Succession by Merit to the Rank of a Field Officer should have laid a good foundation for the claim. Such is the Idea I entertained of this matter, when I delivered my sentiments to the Court of Directors in my Letter of the 27th April 1764 and I have acted in Conformity thereto by regimenting the Troops in the manner I then proposed. I need not repeat the observations I trouble you with in that Letter. It is sufficient to remark here that the good Effects of the Plan, are already visible, that Subordination is restored, abuses corrected and your Expences of Course already greatly diminished.

7<sup>th</sup> The War which to my great Concern I found extended above 700 Miles from the Presidency, is now happily concluded and a Peace established upon Terms which promise lasting Tranquility to these Provinces. This Event has I find dissapointed the Expectations of many who thought of nothing but a March with the King to Delhi.

My Resolution however was, and my hopes will always be, to confine our Assistance, our Conquests and our Possessions to Bengal, Bahar and Orixa. To go farther is in my opinion a Scheme so extravagantly ambitious and absurd that no Governor and Council in their senses can ever adopt it unless the whole System of the Companys Interest be first entirely new modelled.

8th I forbear troubling you with a Detail of the Negociations of General Carnac and me with the Country Powers and the particulars of the Treaty of Peace with the Vizier of the Empire as they will be spoken of at large in the Letter from the select Committee, and appear likewise upon the face of our Proceedings, I will however just remark that our restoring to Shuja Doula the whole of his Dominions proceeds more from the Policy of not extending the Company's territorial Possessions than the generous Principle of attaching him forever to our Interest by Gratitude, though this has been the apparent, and is by many thought to be the real motive- Had we ambitiously attempted to retain the Conquered Country, Experience would soon have proved the absurdity and Impracticability of such a Plan. The Establishment of your Army must have been largely increased, a considerable Number of Civil Servants must have been added to your list, and more Chiefships appointed, the Acts of oppression, and innumerable abuses which would have been committed, and which could neither have been prevented nor remedied at so great a distance from the Presidency, must infallibily have laid the Foundations of another War destructive and unsuccessful; our old Priviledges and Possessions would have been endangered by every Supply we might have been tempted to afford in support of the New and the Natives must have finally triumphed in our inability to sustain the weight of our own Ambition.

9<sup>th</sup> To return to the Point from which this Digression has lead me, I must carry you back to the Description above given of the Situation in which I found your Affairs on my arrival.

Two paths were evidently open to me the one smooth and strewed with abun-

dance of rich advantages, that might easily be pickt up; the other untrodden and every Step opposed with Obstacles. I might have taken Charge of the Government upon the same footing on which I found it, that is, I might have enjoyed the name of Governor, and have suffered the Honor, Importance and Dignity of the Post to continue in their state of annihilation. I might have contented myself as others had before Me with being a Cypher or what is little better the first among sixteen Equals, and I might have been allowed this passive Conduct, to be attended with the Usual Douceaur of sharing largely with the rest, of the Gentlemen in all Donations Perquisites &c arising from the absolute Government and Disposal of all places in the Revenues of this opulent Kingdom by which means I might soon have acquired an immense addition to my Fortune, Notwithstanding the obligations in the New Covenants for the Man who can so easily get over the Bar of Conscience as to receive Presents after the Execution of them will not scruple to make use of any Evasion that may protect him from the Consequence. The Settlement in General would thus have been my friends and only the Natives of the Country my Enemies. If you can conceive a Governor in such a Situation it is impossible to form a wrong Judgment of the Inferior Servants, or of the Company's affairs at such a Presidency. An honourable alternative however lay before me. I had the Power within my own breast, to fulfil the duty of my Station, by remaining incorruptible in the midst of numberless Temptations artfully thrown in my way by exposing my character to every Attack which Malice or Resentment are so apt to invest against any man, who attempts Reformation, and by encountring of Course the Odium of the Settlement. I hesitated not a Moment which Choice to make. I took upon my Shoulders a Burden which required Resolution, Perseverance and Constitution to support. Having chosen my part I was determined to exert myself in the attempt happy in the Reflection that the Honour of the Nation, and the very Being of the Company would be maintained by the Success and conscious that if I failed, my Integrity and good Intentions at least must remain unimpeached. The other Members of the Committee joined with me in Opinion that in order to proceed upon Business it was absolutely necessary for us to assume the Powers for which we were invested. We saw plainly that most of the Gentlemen in Council had been too deeply concerned themselves in the Measures which required Amendment, for us to expect any assistance from them, on the contrary we were certain of finding Opposition to every Plan of Innovation and an unanimous attempt to defeat the Intentions of the Proprietors who sollicited my Acceptance of the Government: The Committee therefore immediately met, and I had the happiness to find myself supported by Gentlemen whom no temptations could seduce Inconveniencies or Threats of Malice deter. Our Proceedings will convince you that we have dared to act with Firmness and Integrity and will at the same time demonstrate that Temper Unanimity and Dispatch must ever mark the Proceedings of Men unbiassed by private Interest.

roth The Gentlemen in Council of late years in Bengal seem to have been actuated in every Consultation, by a very obstinate and mischievous Spirit The office of Governor has been, in a manner, hunted down, stripped of its Dignity, and then divided into sixteen shares, whether Ambition, Obstinacy, Pride, or Self Interest is usually the road to such a pursuit I will not take upon me to determine, but am sure it can never arise from a just Idea of Government, or a true Sense of the Com-

pany's Interest In my opinion it is the Duty of the Council to make the Power of the President appear as extensive as possible in the eyes of the People that all correspondence with the Country Princes should be carried on through him alone some particular Cases excepted, that the Council should upon all Occasions be unanimous in supporting not in extenuating the Dignity of his Station and that he ought to be considered among the Natives as the sole Manager and Conductor of Political affairs. This should be the outward appearance of Administration though in reality the Council must be allowed a freedom of [jud]gment and when they perceive in the Governor a tendency to absolute or unjustifiable measures it then becomes their Duty to check him. If they at any time have reason to distrust the Rectitude of his Principles, they should not allow him to execute Designs even of the smallest Moment, without previously laying them before the Board and obtaining their approbation. In short the best Governor should not except in cases of Necessity, be suffered to conclude any Points of Importance without the Sanction of the Board. But the Expedient of a Select Committee equally prevents any ill Conduct in the Governor and is besides attended with advantages which can rarely be expected from the whole Body of Councillors. Five Gentlemen well versed in the Company's true Interest of Abilities to Plan and Resolution to execute. Gentlemen whose ffortunes are honourably approaching to affluence and whose Integrity has never suffered them to exceed the Bounds of Moderation: A Select Committee composed of such Men will transact more Business in a week than the Council can in a Month. The opinion and Judgment of five Men are as Security to be relied on even in affairs of the utmost Consequence as Sixteen, they are less liable to Dissention and it may be said beyond a Contradiction that their Administration is more distant from Democratic Anarchy. The Council however would not be an useless Body, for whilst the Attention of the Committee was chiefly engaged in watching and repairing the main Springs of Government, the Council would as materially serve the Company, in attending to the many other Movements of the Grand Machine, which are as essentially necessary to the Public Advantage and Security, And that the Committee should not be able to carry their Powers to any dangerous Length, they might be ordered annually, before the Dispatch of the Europe Ships to submit their Proceedings to the Review of the Gentlemen in Council who might transmit their opinions thereupon to the Court of Directors.

Your present Select Committee have from time to time laid most of their Proceedings before Council and we intend to continue the same System of Candour except in any Political Cases of Secrecy when Prudence may require that our Resolutions should be confined to the knowledge of a few.

rith Thus freely I have given you my Opinion on the sort of Government I could wish to see established in this Settlement, nor shall I think my Duty done till I have pointed out every measure that seems to me best calculated to preserve your affairs from Destruction. At Bengal the Rule of Succession among your Servants is perniciously exact: There are frequent occasions where it ought to be set aside, where Experience, Understanding, Integrity, Moderation ought to take place of accidental Seniority. The demerits of most of your Superior Servants, have been so great, as you learn from the Committee Proceedings that one can hardly imagin[e] their future Behaviour will intitle them to further favours than you have hitherto bestowed on. I do not pretend to surmise what Sentence you may pro-

nounce upon the Gentlemen who came under the Censure of the Committee, but whether it be moderate as ours or severe as it deserves, it will not much concern them, since all of them are now in very affluent Circumstances and will probably return to Europe by this or the next years Shiping. Peruse then the List of your Covenanted Servants upon this Establishment: You will find that many of those next in Succession, are not only very young in the Service and consequently unfit for such exalted Stations, but are also Strongly tainted with the Principles of their Superiors. If your Opinion should correspond with mine some Remedy will be judged necessary to be applied, and I confess I see but one. The unhappy Change which within these few years has arisen in the manners and Conduct of your Servants at Bengal is alone sufficient to remove the objections I had to appointments from another Settlement, and the Difficulty which now too plainly appears of filling up Vacancies in Council with the requisite attention to the Company's Honor and Welfare inclines me to wish such appointments more frequent. In the Present State of this Presidency no Measure can I think prove more salutory than to appoint five or six Gentlemen from the Coast to the Bengal Establishment and there to post them agreable to their Rank and Standing in the Service. Messra Russell, Floyer, Aldersay, and Kellsall are among those who would be very well worthy your Attention if this Plan should be adopted. I cannot help farther recommending to your Consideration whether if every other Method should be found ineffectual, the transplanting of a few of the Young Bengal Servants to Madras would not be of signal Service both to themselves and the Company, you will likewise consider whether the Settlement of Bombay is capable of furnishing us with a few meritorious Servants. With regard to Madras the Conduct of the Gentleman upon that Establishment is in general so unexceptionable, that to present Bengal with such Examples of Regularity Discretion and moderation would I think be a Means of restoring it to good order and Government: It is past a Doubt that every attempt at Reformation must fail, unless the Superior Servants be exemplary in their Principles and Conduct. If we see nothing but Rapacity among Councillors, in vain shall we look for Moderation among Writers.

12th. The Sources of Tyranny and oppression which have been opened by the European Agents Acting under the Authority of the Company's Servants and the numberless black Agents and Sub Agents acting also under them, will I fear be a lasting reproach to the English name in this Country, It is impossible to enumerate the Complaints that have been laid before me by the unfortunate Inhabitants who had not forgot that I was an Enemy to Oppression. The necessity of securing the Confidence of the Natives is an Idea I have ever maintained and was in hopes would be invariably adopted by others, but Ambition, Success, and Luxury, have I find introduced a new System of Politicks at the severe Expence of English Honor of the Companys faith and even of Common Justice and Humanity. Orders so frequently issued that no Writer shall have the Privilege of Dustucks, I have strictly obeyed but I am sorry to inform you that all the wish'd for Consequences are not to be expected: the Officers of the Government are so sensitive of our Influence and Authority that they dare not presume to search or stop a Boat protected by the name of a Company's Servant & you may be assured that Frauds of that kind so easy to be practised and so difficult to be protected are but too frequent. I have at last however the Happiness to see the completion of an Event

which in this respect as well as in many others must be productive of advantages hitherto unknown and at the same time prevent abuses that have hitherto had no Remedy. I mean the Dewannee which is the Superintendency of all the hands and the Collection of all the Revenues of the Provinces of Bengal Bahar and Orissa. The assistance which the Great Mogul had received from our Arms and Treasury made him readily bestow the Grant upon the Company and it is done in the most effectual manner you can desire. The allowance for the support of the Nabobs, Dignity and Power and the Tribute to His Majesty must be regularly paid, the Remainder belongs to the Company. Revolutions are now no longer to be apprehended, the means of effecting them will in future be wanting to Ambitious Mussulmen, nor will your Servants Civil or Military be tempted to foment Disturbances from whence can arise no Benefit to themselves. Restitution Donation Money &c &c will be perfectly abolished as the Revenues from whence they used to issue will be possessed by ourselves. The Power of supervising the Provinces, though lodged in us, should not however in my opinion be exerted. Three times the present Number of Civil Servants would be insufficient for the purpose. Whereas if we leave the Management to the old officers of the Government, the Company need not be at the Expence of one Additional Servant, and tho' we may suffer in the Collection, yet we shall always be able to detect and punish any great offenders and shall have some Satisfaction in knowing that the Corruption is not among ourselves. By this means also the abuses inevitably springing from the Exercise of Territorial Authority will be effectually obviated: there will still be a Nabob with an allowance suitable to his Dignity and the Territorial Jurisdiction will still be in the Chiefs of the Country acting under him and the Presidency in Conjunction tho the Revenues will belong to the Company. Besides were the Country's Officers to be the Collectors, Foreign Nations would immediately take umbrage and Complaints preferred to the British Court might be attended with very embarrassing Consequences. Nor can it be supposed that either the French, Dutch or Danes will acknowledge the English Company Nabob of Bengal and pay into the hands of their Servants the Duties upon Trade or the Quit Rents of those Districts which they have for many years possessed by Virtue of the Royal Phirmand or by Grants from former Nabobs.

13th Your Revenues by means of this new Acquisition will as near as I]can]Judge not fall short for the ensuing year of 250 Lacks of Sicca Rupees including your former Possessions of Burdwan &c hereafter they will at least amount to 20 or 30 Lacks more. Your Civil and Military Expences in time of Peace can never exceed 60 Lacks of Rupees. The Nabobs allowance are already reduced to 42 Lacks, and the Tribute to the King is fixed at 26.— So that there will be remaining a clear gain to the Company of 122 Lack of Sicca Rupees or £1,650,900 Sterling which will defray all the Expence of the Investment, furnish the whole of the China Treasure, answer the Demands of all your other Settlements in India, and have a considerable Ballance in your Treasury besides. In time of War when the Country may be subject to Incursions of Bodies of Cavalry we shall notwithstanding be able to collect a sufficient Sum for our Civil and Military Exigencies, and likewise for our Investments, because a very rich part of the Bengal and Bahar Dominions are situated at the Eastward of the Ganges where we can never be

invaded. What I have given you is a real not an imaginary State of your Revenues and you may be assured they will not fall short of my Computation. 14th Permit me here to have the Honor of laying before you one striking Circumstance which has occurred to me in considering the subject of the Dewannee and the Consequence of your large increase of Revenues. I have already observed that our acquisition will give no umbrage to Foreign Nations with respect to our Territorial Jurisdiction so long as the present appearance of the Nabobs Power is preserved but I am convinced they will ere long entertain Jealousies of our Commercial Superiority. Public Complaints have indeed been already made from both French and Dutch Factories, that the Dread of the English name, added to the Encouragement of your Servants at the different Aurungs has deterred the Weavers from complying with their usual and necessary Demands, and I am persuaded that sooner or later, national Remonstrances will be made on that subject perhaps one half of the Trade being reserved to the English Company and the other divided between the French Dutch and Danes in such proportions as may be settled between their respective Commissions might adjust these Disputers to the mutual Satisfaction of all Parties. Besides as every Nation which Trades to the East Indies constantly brings out Silver for the purchase of Merchandize in return, and as our Revenues will for the future enable us to furnish all our Investments without any Remittance from England it seems necessary that we should in some degree encourage the Trade of others, in order that this Country may be supplied by them with Bullion to replace the Quantity we shall annually send to China or to any other part of the World. It is impossible for me to be a sufficient Judge of the Practicability or Propriety of admitting other Nations to such a proportion of Trade with us in these parts nor will you suspect that I entertain a thought of taking any step without Instructions from you in any affair of such National Importance. I do not even presume to argue on the Subject, I only mention it as a point which has occurred to me and which I think merits your most serious Consideration.

15th Considering the Excesses we have of late years manifested in our Conduct, the Princes of Indostan will not readily imagine us capable of moderation, nor can we expect they will ever be attached to us by any other Motive than Fear-Meer Jaffier, Cassim Ally, the present Nabob, and even Mahomed Ally the Nabob of Arcot, (the best Mussulman I ever knew) have afforded Instances sufficient of their Inclination sufficient to throw off the English Superiority, No opportunity will ever be neglected that seems to favour an Attempt to extirpate us though the Consequences while we keep our Army complete must in the End be more fatal to themselves, This Impatience under the Subjection as I may call it, to Europeans is natural but so great is the Infatuation of the Nations of this Country that they look no farther than the present Moment and will put their all to the Hazard of a single Battle. Even our young Nabob who is the Issue of a Prostitute who has little Abilities and less Education to supply the want of them: mean, weak, and ignorant, as this Man is, he would if left to himself and a few of his artful Flatterers, pursue the Paths of his Predecessors, It is impossible therefore to trust him with Power and be safe. If you mean to maintain your present Possessions and Advantages, the Command of the Army and Receipt of the Revenues must be kept in your own hands; every wish he may express to obtain either, be assured

is an Indication of his desire to reduce you to your original State of Dependency, to which you can never now return without ceasing to exist. If you allow the Nabob to have Forces, he will soon raise money, if you allow him a full Treasury without Forces, he will certainly make use of it to invite the Marattas or other Powers, to invade the Country upon a supposition that we shall not suspect the part he takes, and, that Success will restore him to the full extent of his Sovereignty; for so ignorant is he, even of the Nature of his own Countrymen, that he would never imagin the very Men he had paid to rescue the Dominions from us, would only conquer to seize the Spoil for themselves. Such is he, whom we now call Nabob and such are the faithless Politics of Indostan. We have adopted however a Plan which if strictly adhered to must effectually prevent his involving the Company or himself in any Difficulties. Mahomed Reza Cawn, Roy Dullul and Juggut Seat Men of the most approved Credit and Moderation are appointed jointly to the Management of all his affairs, nor is either of them to act singly in any Measure of Government. The Royal Treasury is under three different Locks and Keys, and each of these Ministers of State has a Key so that no Money can be issued for any Service whatever without the joint knowledge and consent of them all. Our Resident at the Durbar is to inspect the Treasury Accounts from time to time as he or the Governor and Council may think proper: but we are never to interfere in the Appointment or Complaint of any Officer under the Government nor in any particulars relative to the above mentioned Departments unless some extraordinary Conduct of the Ministry should render alterations requisite. This Form of Government I thought proper to recommend in order to purge the Court of a set of Knaves and Parasites by whom the Nabob was surrounded and who were always undermining our influence that they might the more firmly establish their own. So far you will observe we have exerted ourselves in the Arrangement of the Nabobs affairs, but it is a Measure of the utmost Consequence, since it lays the foundation of that Tranquility Moderation and Regularity which will support the Government against any future Attempts to a Revolution, and we are determined to interest ourselves at the City in no other Respects. I need only add that Mr. Sykes for whom we intend the Residentship is a Gentleman from whose inflexible Integrity and long experience in the Country Politics we have reason to expect the most exact performance of every Duty in such an important Station. 16th. The Regulation of the Nabobs Ministry the Acquisition of the Dewannee and the Honorable Terms on which we have concluded a Peace with the Vizier of the Empire, have placed the Dignity and Advantages of the English East India Company on a Basis more firm than our most sanguine wishes could a few months ago have suggested. These, however alone will not ensure your Stability. These are but the Outworks which guard you from your Natural Enemies, the Natives of the Country: all is not safe. Danger still subsists from more formidable Enemies within, Luxury Corruption, Avarice, Rapacity, these have Possession of your Principal Posts and are ready to betray your Citadel. These therefore must be extirpated or they will infallibly destroy us: for we cannot expect the same causes which have ruined the greatest Kingdoms should have different Effects on such a State as ours. That sudden growth of Riches from whence those Evils principally arise demands our most serious attention. The affairs of Bengal, however glorious and flourishing the Prospect may be successfully managed by Men whose

Views extend not beyond a year or two and who will set all orders from the Court of Directors at defiance well Knowing they must have acquired an affluent Fortune or at least a comfortable independency before. Resentment can reach them. A Competency ought to be allowed to all your Servants from the time of their arrival in India and advantages should gradually increase to each in proportion to his Station, but I would have few of them entertain hopes of returning to their native Country, till they shall have attained the Rank of Councillor, then the prospect would open to them and they should be certain of being enabled to return in a few years with independent fortunes. This Certainty would arise from the Freight Ships, from the Privileges of Trade (the advantages of which you are not unacquainted with) and also from the Profits upon Salt Beetle and Tobacco agreable to the new Regulation which we have made in order to rectify the abuses that have been so long committed in those Branches of Trade to the great Detriment of the Country Government without view of Benefit to the Company.

17. The Regulation now established for the Salt Trade will I hope be entirely to your satisfaction. I at first intended to propose that the Company and their Servants should be jointly and equally concerned in the Trade itself but upon better consideration I judged that Plan to be rather unbecoming the Dignity of the Company and concluded it would be better that they should give the Trade entirely to their Servants and fix a Duty upon it for themselves equivalent to half the Profits. This Duty we have computed at the rate of 35 per Cent. for the present but I imagin it will be able next year to bear an Increase The articles of Beetle and Tobacco beeing of less consequence and yielding much less advantage, the Duties upon them of course must be less. For farther particulars of these Regulations I beg leave to refer you to the Committee Letter and Proceedings as I would not here trouble you with the Repetition of a Matter which is there so fully laid before you.

18th The advantages proposed for the Governor and Council would undoubtedly appear extremely large to those who are unacquainted with the Riches of Bengal and the numberless opportunities which the Company's Servants have of acquiring Money. But you, who are now perfectly informed of the Revenues of these Kingdoms and the prodigious Emolements within the reach of Gentlemen high in the Service will I am persuaded agree with me that if some Plan of the nature proposed be not adopted the Governor and Council will not fail to acquire much larger Fortunes by other means in a much shorter time which must always be productive of that quick Succession not only so Detrimental to your Commercial Interest but so totally incompatible with the acquisition of Political Knowledge which ought now to be considered as a very material Qualification in all your Civil as well as Military Servants. To obviate an Objection which may arise that they may possibly proceed in the old way of procuring Money notwithstanding they accept of these Allowances; I would have an Oath tendered to them of as strong and solemn a Nature as can be penned I have drawn out the Form of one agreably to my Idea of the expedient and have the Honor to inclose it for your considerat<sup>n</sup> to this may be annexed a Penalty Bond of £150,000 to be executed by the Governor and of £50,000 to be executed by each of the Council. Thus the Conscience of some will be awakened by the legal Consequences of Perjury and pecuniary Punishment will be a sure Guard over the Honesty of others.

the Hearts of Men be Known by their general Character in Society or could their Conduct in a State of Temptation be ascertained from their moderate attentions to Wealth, whilst the sudden acquisition of it was impossible the proposal I make would be an affront to Religion and to Morality: but since that is not the Case in any part of the World, and least of all so in the East, we must for our own Security, impose such Restraints as shall make it impossible even for Hypocrisy to introduce Corruption.

Having thus fully submitted to you my Sentiments on the Civil Department permit me to trouble you with a few Observations on the Military, which deserves a no less serious attention. In the former part of this Letter I have mentioned that Luxury and an abhorence of Subordination has overspread your Army but that the good Effects of appointing field officers had already become visible. Committee Letter will inclose a General Return of their Number, and enlarge upon the Necessity of keeping each Regiment complete to the Establishment I therefore avoid saying anything here upon these Subjects. That Letter will also specify the Proportion of Emoluments proposed for the field officers from the new acquired Advantages upon Salt. The same objection may perhaps be made to this, which I supposed was likely to occur with respect to the Plan for the Benefit of the Civil Servants. If so I beg leave to refer you to my Proposal and Remarks upon that subject which are equally proper and applicable to this. These Points then I conclude are sufficiently before you and I proceed to recommend to your Consideration that the Regimenting of the Troops has introduced a much larger number of Officers of Rank than has hitherto been admitted upon your Establishment and that this Regulation beneficial and necessary as it is will notwithstanding be productive of one Dangerous Evil if not constantly guarded against by the authority of the Governor and Council supported and enforced by the higher Powers at home. The Evil I mean to apprize you of is the Encroachment of the Military upon the Civil Jurisdiction and an attempt to be independent of their Authority. A spirit of this kind has always been visible, our utmost vigilence therefore is requisite to suppress it or at least to take care that it shall not actually prevail. I have been at some Pains to inculcate a total Subjection of the Army to the Government: and I doubt not but you will ever maintain that Principle. In the Field in time of Actual Service I could wish to see the Commander of your Forces implicitly relied on for his Plan of Operations. Orders from the Presidency may frequently embarrass him and prejudice the Service. At such a time he is certainly the best Judge of what measures should be pursued and ought therefore to be trusted with Discretionary Powers. But he should by no means be permitted to vary from the fixt general Plan of a Campaign, nor from his own Idea of the Company's Interest to prosecute Operations of Importance, when they are not also of real Utility and Emergency. I dwell not however intirely upon the Conduct of a Commander of the forces as such in the field: He is to understand that upon all occasions a Gentleman in Council is his Superior, unless he also has a Seat at the Board and then he will of course rank as he stands in that Appointment; The whole Army should in like manner be subordinate to the Civil Power and it is the indispensible Duty of the Governor and Council to keep them so. If at any time they should struggle for Superiority the Governor and Council must strenously exert themselves, ever mindful that they are Trustees for the Company

in this Settlement and the Guardians of Public Property under a civil institution. 20th It would give me Pain to see a Regulation so salutary as that of the Appointment of field officers, attended with any Inconveniences and therefore I would earnestly recommend the following very easy and effectual mode of Prevention. Let the Equality in Civil and Military Rank be immediately settled by the Court of Directors. Were Disputes about Precedure the only Points to be adjusted they would not be worth a moments Reflection, but We are to consider, that Opportunities will some times happen when Military Gentlemen may assume Power and authority from the Rank they hold among the Civic Servants. and perhaps pay no attention to orders issued from their supposed Inferiors. Such Contentions may have disagreable Consequences, and to prevent them I propose that all the Colonels (the Commander of the Troops excepted who is intitled to the Rank of 3rd in Council) shall be equal in Rank to the Councillors but always the youngest of that Rank. the Lieutenant Colonels should rank with Senior Merchants, the Majors with Junior Merchants, Captains with Factors and Lieutenants and Ensigns with Writers. The Rank of all officers below Colonels and of Civil Servants below Councillors may be considered according to the dates of their Commissions and appointments respectively. When such a Regulation has taken place I think the appointment of field officers cannot be charged with a single Inconvenience.

21st Before I quit the Subject of the Army, I must repeat what, if I mistake not, I mentioned to M. Rous before I left England the Propriety of appointing Sir Robert Barker to the Command of a Regiment. in case of a vacancy. On the Death of Colonel Knox I hesitated not to appoint Sir Robert to the third Regiment but it met with opposition not only from some of the Gentlemen in Council but afterwards from Sir Robert Fletcher who thought himself aggrieved, tho' at a time when Barker was a Captain, he was only a volunteer in your Service- and besides Sir Robert Barker, must, on all occasions, as the Elder officer have commanded in the field in the absence of General Carnac, and Colonel Smith, even if this appointment had not taken place. If I could imagine that his Seniority in the Service did not sufficiently intitle him to this Preferment, I would urge his Experience which is greater than that of the other Gentlemen and his Disinterestedness which made him accept what is so infinitely inferior in Point of Emoluments to the Command of the Artillery. Lieut Colonel Peach has in like manner been objected to, by the Majors appointed by the Governor and Council, but as it has always been customary to prefer officers of your own appointment to those of the same Rank nominated by the Governor and Council; I need not point out the Propriety of your confirming this Gentlemans Commission. The introducing Lieutenant Colonel Chapman also to that Rank has met with the same objections. With regard to him permit me to acquaint you that he is a very old Major in the Kings Service that he was strongly sollicited at Madras to continue there and on very advantageous Terms when his Regiment was ordered home, but that I found him at the Cape in his way to Europe and it was with the utmost Difficulty that Messrs Sumner and Sykes and Myself could prevail upon him to return to India, next in Rank to Lieutenant Colonel Peach. His Merits on the Coast have been very great and I consider him as a very valuable acquisition to your Service. I therefore most earnestly request you will be pleased to confirm his appointment as Lieutenant Colonel on this Establishment Neither of these three Gentlemen I have here spoken of can be censured for that

Spirit of Licentiousness and Independency which I have pointed out as the great Evils we ought to guard against and the variety as well as length of their services will certainly be of considerable Advantage to Corps like ours I must at the same time confess that I cannot be responsible for that Discipline and Reformation we mean shall take place unless the Field officers are Men I can depend upon. of the Captains now in your Service have had so little Experience and are I fear so liable to the General Objections that I could wish to have five or six Captains sent out who have seen Service, who understand Discipline and who are well recommended by their Colonels. If you should think proper to extend this Plan to Majors, it will be so much the better, but there is no occasion to go higher. Among the appointments you may be pleased to make in England I could wish to find a Majority upon this Establishment for Major Pemble, agreable to the Date of the Brevet given him upon his Arrival at this place That Gentleman has seen much Service both on the Coast of Choromandell at Manilla and at Bengal but being on the Bombay Establishment where the Rise is so very slow he has had the Mortification to see himself constantly superseded by the Coast and Bengal Officers. You may be assured I would not trouble you with this Recommendation if I did not know him to be worthy of your Notice.

The Enquiries I have found myself under the Necessity of promoting, the Regulations which I judge proper should take place without Delay together with those I have here the Honor to propose for your Mature Deliberation will I doubt not meet with that candid Discussion, which the Importance of the Subject requires. You will be pleased upon the whole to observe that the great object of my Labor has been, (and it must also be yours) to stem that Torrent of Luxury, Corruption and Licentiousness, which have nearly overwhelmed the Interest, and I might add the Existence of the Company in these parts, to reduce your Civil Servants to a Sense of Duty to their Employers and Moderation in the pursuit of their own Advantages to introduce Discipline Subordination oeconomy into your Army and to prevent in General that sudden acquisition of Riches which is evidently the Root of almost every other Evil both in the Civil and Military Department.

23d Is there a Man anxious for the speedy Return of his Son, his Brother, or his Friend, and Sollicitious to see that return accompanied by affluence of Fortune indifferent to the means by which it may have been obtained? Is there who void of all but selfish Feelings can withhold his approbation of any Plan that promises not sudden Riches to those his dearest Connections, who can look with Contempt upon Measures of Moderation, and who can cherish all upstart Greatness, though stigmatized with the Spoils of the Company? If there is such a Man to him all arguments would be vain-to him I speak not-My address is to those who can judge cooly of the Advantages to be desired for their Relations and Friends nor think the Body Corporate wholly unintitled to their Attention. If these should be of opinion that an independent Fortune honourably acquired in a faithful Service of 12 or 15 years, is more compatible with the Interests of the Company than the late Rapidity of Acquisitions, and at the same time satisfactory to the Expectations of Reason, I will venture to assert that the Regulations already made, together with those proposed, will when enforced by the Authority of the Court of Directors ensure to the Company their Commercial and Political Advantages, and

be productive of certain Independency to every Servant who endeavours to deserve it.

- The general Terms in which I have mentioned the Depravity of this Settle-24. ment oblige me to point out to your Attention the Instances, the very few Instances of distinguished Merit among the Superior Servants, To find a Man who in the midst of Luxury and Licentiousness, had retained the true Idea of Commercial Oeconomy, who inferior in Fortune to most of your Civil Servants in the Rank of Councillors was yet superior to all in Moderation and Integrity, whose regard for the Welfare of the Public and for the Reputation of Individuals had made him warn others from falling into the Temptations of Corruption which he saw were approaching and who could actually resist those Temptations himself when a share was allotted him of Money he thought unwarrantably obtained. To find such a Man in such a Settlement would appear incredible to those who are unacquainted with M. Verelst I have represented this Gentleman to you as I would every one in his real Character, and shall only add, that if you wish to see the measure we are now pursuing supported with Integrity, Abilities and Resolution, you will endeavour to prevail on him to continue in your Service by appointing him to succeed M. Sumner in the Government. To omit mentioning M. Cartier would be Injustice as he also stands high in my opinion. His character is clear and his attachment to your Service what it ought to be, unbiassed by any mean attention to his own advantages. I wish sincerely your list of superior Servants would enable me to detain you longer on Subjects of Commendation but I have finished the Picture and I cannot add another Figure that deserves to be distinguished from the Groupe.
- 25 Having filled so many Pages upon the Subject of public affairs you will indulge me with a few lines upon a Circumstance which concerns myself. M. Johnstone in his last Minutes in Council has thought proper to throw out some Observations upon the Validity of my Title to the Jaghire insinuating that the Defect which he pretends to have discovered was not known at the time of my Litigation with the Company; as I would not wish that a Point where my Honor is concerned, should pass unnoticed: I must observe that the Kings Sunnud which M. Johnstone affirms was requisite to be obtained within 6 .months from the granting of this Jaghire, for the Confirmation of it, is a matter of Form only, and not understood to be essential, as a proof of this I inclose Translations of various Jaghire Grants properly attested by Mr. Vansittart the Persian Translator, as also an attestation of the same Gentleman that the Grant to me was as complete as other Grants of that Nature generally are: but to put this Matter out of Dispute, the Paper of Agreement which M. Johnstone alludes to is of no more consequence than a piece of blank Paper, since it was never executed by Me or by any Agent or Vaqueel on my account nor was any Agent ever named or thought of by me: Enclosed I transmit you a Translation of the very Paper attested also by M. Vansittart.
- 26th Permit me now to remind you that I have a large Family, who stand in need of a Fathers Protection, that I sacrifice my Health and hazard my Fortune with my Life by continuing in this Climate. The first great Purposes of my Appointment are perfectly answered. Peace is restored and my Engagement to procure for the Company the Riversion of my Jaghire is completed in the fullest manner,

since it is not only confirmed by the present Nabob but by the great Mogul. I now only wait to be informed whether my Conduct thus far be approved of and whether the whole or any part of the Regulations I have had the Honor to lay before you are conformable to your Ideas of the Reformation necessary to be established. If they meet with your Approbation I doubt not you will immediately impower Me in Conjunction with the Select Committee to finish the Business so successfully begun which may be easily effected before the End of the ensuing year when I am determined to return to Europe and hope to acquaint you in Person with the accomplishment of every wish you can form for the Prosperity of your affairs in Bengal.

27th I shall conclude this tedious Letter by observing that my anxiety to know whether you approve of my Conduct or not can proceed from no other Motive than my concern for the Public since I continue invariable in the Resolution I formed and expressed in a general Court long before the Covenants were proposed of acquiring no Addition to my Fortune by my Acceptance of the Government and I beg leave also to assure you that in order to obviate all Suspicion of Collusion in this delicate Point I have not permitted either of the Gentlemen of my Family to hold an Employment in your Service, nor to receive presents altho' they are not bound by Covenants to the Contrary. The small congratulatory Nazurs Elephants Horses &c which I have been under a Necessity of receiving, do not I imagine amount to any considerable Sum but whatever it may be not a farthing shall go into my own Pocket I have hitherto been too much engaged in matters of public importance to attend to a particular Valuation but I have caused an exact Account of every even the most trifling Present which at my Return shall be submitted to your Inspection and in the meantime the Amount of the whole shall go towards defraying my extraordinary Expences as Governor. The only Favor I have to sollicit for myself is that altho' your Treasury here will for the future be so full as to render it difficult for Individuals to obtain Bills upon the Company payable at home you will be pleased to indulge Me with the usual channel of Remittance of my Jaghire until it reverts to the Company.

I have the Honor to be with the utmost Respect
Gentlemen
Your most obedient and
most humble servant

CLIVE.

To the Honble the Court of Directors

28 I cannot help requesting your attention to M<sup>r</sup> William Wynne, a young Gentleman whom I brought out to India with me and whom I was in hopes of seeing appointed a Writer on the List of that year. I have caused him to handscribe this Letter that you may see he is qualified in Point of Penmanship and as he has lived constantly with Me and acted as Assistant to my Secretary, I can take upon Me to be responsible for his Conduct and abilities in every respect It is therefore my particular Request that you can confer on him the station of a Writer to take Rank from the time of his leaving England.

29. I beg leave also to recommend to your Protection M. Maddison a Gentleman of a liberal Education and who promised to be a very valuable Servant to the Company from an uncommon Facility in acquiring the Persian Language. As he is 27 years of Age you will not think me unreasonable in solliciting for him the Appointment of a Factor.

CLIVE.

STATE OF THE REVENUES ARISING FROM THE DISTRICTS CEDED TO THE EAST INDIA COMPANY, AND ALSO AN ACCOUNT OF THE SUMS RECEIVED BY THE COMPANY FROM THE NABOB OR COUNTRY POWERS. EXTRACTED FROM THE RESPECTIVE BOOKS ACCORDING TO THEIR DIFFERENT PERIODS FROM 1753 INCLUSIVE TO THE GRANT OF THE DEWANNY.

### At Fort St. George and Subordinates.

			Carrie	ed over				z	£607,337	19	•
			pag <sup>ds</sup>	603,760	11	53			241,504	2	<u>.</u>
May to July 1765 3 Mos 30,647 16 84				111,647	16	84					
Masulipatam Revenues											
May to July 1765 3 M <sup>os</sup> 81,000	Estim <sup>d</sup>										
Fort St. George Revenues			L-9.	TJ-1	J-	- 9					
			pagds	492,112	70	<u></u>					
May 1764 to April 1765				168,112	30	69					
May 1764 to April 1765 Masulipatam Revenues	•	•	pag	324,000	•	•					
Fort St. George Revenues											
May 1764 to July 1765			pagds	411,423	30	69	•	• •	164,569	10	
masunpatam Revenues.	•	•									
Revenues of the Grants Octobe Masulipatam Revenues.			- "	288,820 122,603							
Fort St. George			m a arde	<b>400</b> 0							
May 1763 to April 1764											
Masulipatam Revenues.	•		pagds	232,316	5	77	•		92,926	9	
Masulipatam Revenues.  May 1762 to April 1763	•	•	pagdi	111,776	11	<b>2</b> I	•	•	44,710	10	•
May 1761 to April 1762			_								
May 1760 to April 1761 Masulipatam Revenues.			pag <sup>ds</sup>	108,556	12	11			43,422	11	
Masulipatam Revenues .	•		pagds	50,512	5	28	at	8 <u>*</u>	£20,204	17	
May 1759 to April 1760.			. P J	o p		•					
NB. No districts were ceded to	o the C	om	nanv i	n this pe	rio	1.					

At Fort St. George, cont'd.

Fort George and Subordinates . . . Bro't over £,607,337 19 May 1761 to April 1762.

Received from the Nabob Mahomet Alv Khân by a Transfer to his Debit of sundry Articles included in the General Charges of the preceding Years which should have been placed to his Account pagds 321,002 21 6 at 8.4.

128401

£735,738 19

#### At Fort William and Subordinates.

May 1752 to April 1758.

NB. No Districts were Ceded to the Company in this period.

May 1758 to April 1760.

Revenues of the Calcutta purgannahs C Rup! 737,872 10 3 at 2! 3! £83,010 13.

These Revenues are here brought to Account for 2 Years as the Charges exceeded the Receipts of the first year.

May 1760 to April 1761

Revenues of the Calcutta purgannahs C Rup! 730,591 13 9

—— of the 3 provinces of Burdwan

Midnapore and Chittagong . 724,408 12 6

> C Rup? 1,455,000 10 3 163,687 11 .

May 1761 to April 1762

Revenues of the Calcutta purgannahs C Rup! 597,355 14.

—— of the 3 provinces. 5,428,480 3 6

CRup! 6,025,836 1 6 . . . 677,906 11 .

May 1762 to April 1763

Revenues of the Calcutta purgannahs C Rup? 486,352 12.

of the 3 provinces. 5,159,867 9 3

CRup. 5,646,220 5 3 . . . 635,199 15 .

May 1763 to April 1764

Revenues of the Calcutta purgannahs C Rup! 740,473 13.

—— of the 3 provinces. 4,872,104 15 9

C Rup! 5,612,578 12 9 . . .

£2,191,219 12. Carried over

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At Fort William, cont'd.
```

Fort William and Subordinates Bro't over

£,2,191,219 12

May 1764 to July 1765

Revenues May 1764 to April 1765

Estimated as for the former Year C Rup! 5,612,578 12 9

-May to July 1765 . . . 3 Months

Estimated as before

1,403,144 11 3

CRup. 7,015,723 8 . at 2. 3d 789,268 17 .

Total Revenues  $f_{,2,980,488}$  9.

1757.

The Nabob Jaffier Aly Khân stipulated to pay to the Company One Crore of Rupees for Indemnification of Losses sustain'd by the Capture of Calcutta in 1756 the payment of which was not compleated till Febry 1762 - by the State of this restitution

it appears that the Company received C Rup! 10,706,612 . 3

Deduct

Estimate of Losses occasioned by

2,215,674 10 8

C Rup! 8,490,937 5 7

Note

The above Estimate Comprehends only the immediate Loss sustained at the Settlement without any Allowance for the failure of Investments and other incidental Losses and is therefore not inserted in this Account.

May 1759 to April 1760

Received of Jaffier Aly Khân for the

pay of the Troops . . CRup! 459,043 14 2

May 1760 to April 1761

Received of Jaffier Aly Khan as

before . CRups 703,233 11 3

> C Rup! 1,162,277 9 5 . . .

> > Carried over £3,111,244 13 .

At Fort William, cont'd.

Fort William and Subordinates . . . Bro't over £3,111 244 13 .

1762

Received by a Transfer to the Account of the Nabob Cossim Aly Khân for his Donation towards defraying the Charges of the Siege of pondicherry

Charges of the Siege of pondicherry C Rup! 562 500 . . at 2! 3! 63,281 5.

1763 July

The Nabob Jaffier Aly Khan on his being reinstated in the Subahdarree stipulated to pay the Company 30 Laak of Rupees for Losses and Charges Occasioned by the War and Stoppage of the Investment—Which sum is Considered as inadequate thereto.

1764 Sept.

The Nabob Jaffier Aly Khân agreed to pay (from the 31st July 1764) 5 Laak a Month for the Expenses of the Army and whatever might be due from him on Account of his former Agreement,—This Computed to the Time of the Grant of the Dewanny when it Naturally Ceased,

being 12 Months is . . . C Rup! 6,000,000 . . . . . . 675,000 .

1765 Aug!

The Nabob Shujah-ul-Dowla stipulated to pay for the extra Expenses incurred by the Company the Sum of Batta 16 \ Cent.

Rup: 5,000,000 . .

800,000 . .

CR: 5,800,000 . . . . . 652,500 .

Note.

£4,502,025 18.

The above stipulated payments were not Compleated at the Time of the last Advices, but the Arrears due thereon canot be ascertained.

At Bombay and Subordinates

August 1752 to July 1758

NB No Revenues were Ceded to the Company in this period

August 1758 to July 1759 Revenues of the Castle & Tanha

At Surat . . . Rup: 10,936 1 . at 2. 6. £ 1367 . .

At Bombay, cont'd.					
August 1759 to July 1760					
Revenues of the Castle & Tanha	•	Rup!	180,161 3 32	 22,520	4 -
August 1760 to July 1761					
Revenues of the Castle & Tanha	•	Rup!	149,504 2 68	 18,688	1.
August 1761 to July 1762					
Revenues of the Castle & Tanha	•	Rup!	142,735 1 40	 17,841	18.
August 1762 to July 1763					
Revenues of the Castle & Tanha	•	Rup!	139,523 1 49	 17,440	8.
August 1763 to July 1764					
Revenues of the Castle & Tanha	•	Rup!	129,288 3 32	 16, 161	2.
August 1764 to July 1765					
Revenues Estimated as before	•	Rup.	129,288 3 32	 16,161	2 .
				£110,179	15 .

## Abstract of the foregoing State of Revenues and Account of Sums Received.

Reve	nues			Fort St George and Subordinates	Fort William and Subordinates	Bombay and Subordinates	Total
1752 to 1758	•	•				·	
1758 to 1759	•					£1,367 · ·	£1,367
1759 . 1760				£20,204 17 .	83,010 13 .	22,520 4 .	125,735 14 .
1760 . 1761				43,422 II .	163,687 11 .	18,688 I.	225,798 3.
1761 . 1762				44,710 10 .	677,906 11 .	17,841 10 .	740,458 19 .
1762 . 1763				92,926 9 .	635,199 15 .	17,440 8.	745,566 12 .
1763 . 1764				164,569 10 .	631,415 2 .	16,161 2.	812,145 14 .
1764 . 1765	•	•	•	241,504 2 .	789,268 17 .	16,161 2.	1,046.934 1 .
Sums	Receiv	ed		£607,337 19 .	2,980,488 9 .	110,179 15 .	3,698,006 3.
1761 to 1762 1759 to 1761 £		6 4`	١.	128,401		}	1,649,938 9.
1762 1764 1765	675,00	o	}		1,521,537 9 .		
				£735,738 19 .	4,502,025 18 .	110,179 15 .	5.347.944 12 .

EAST INDIA HOUSE 5 Febry. 1767.

GEO.: OLDMIXON

Audr of Indian Accous

STATE OF THE EXPENCES INCURRED BY THE EAST INDIA COMPANY, AT THEIR SEVERAL SETTLEMENTS AND FACTORIES, ON ACCOUNT OF THE WARS AND DISTURBANCES IN THE EAST INDIES; EXTRACTED FROM THE RESPECTIVE BOOKS, ACCORDING TO THEIR DIFFERENT PERIODS, FROM 1754 TO THOSE LAST RECEIVED, AND CONTINUED TO 1766 BY ESTIMATES FORM'D UPON THE BEST ADVICES.

## Expences at Fort St. George and Subordinates.

Wan zara ta Am			Cıvı	L.		Mili	rar y	r.	To	ΓAL.				c	s. đ.
May 1753 to Ap General Charges .			104262	12	26	183778	τo	27	288011	22	72			£	s. a.
Deduct	•	- <b>-</b>	104203		50	103770		31	200041		13				
Charges of the S	ettlemt	taken													
at a Medm of 5 Years	•														
1745 bein[g] a Tim															
India	•	•	50036	17	65	52401	17	39	102437	35	24				
Di	fference	Pagds	54226	30	51	131376	28	78	185603	23	49				
Fortifications .	•	•	•		•	•	•	•	14373	10	48				
							P	agds	199976	34	17	at	8 <b>s</b> d	79,990	15 .
May 1754 to Ap	ril 1755														
General Charges .		Pagds	99270	33	3	218207	24.	18	317478	21	21				
Deduct as before	•	•	50036	17	65	52401	17	39	102437	35	24		٠.		
Di	ifference	Pagds	49234	15	18	165806	6	59	215040	21	77				
Fortifications .							-	_	7539	3	5.1				
His Majesty's Squad	lron .		-•						1319	-					
His Majesty's Troop			•						16688	8	73				
							P	agds	240587	28	63			96235	2.
May 1755 to Ap	ril 1756														
General Charges .			85530	11	20	208414	16	27	293953	27	47				
Deduct as before		•	,			52401		-	102437						
Di	fference	Pagds	35502	29	35	156012	34	68	191515	28	28				
Fortifications .									45826		6				
His Majesty's Squad	ron .	•	•	•	•	·		•	1954						
His Majesty's Troop			•			•			20926						
							P	agds	260223	3	10			104,080	4.
May 1756 to Ap	ril 1757						_								•
General Charges .		Pands	76767	_	e a	100725	4		186492	τ0	05				
Deduct as before		rag							102437		-				
Di	fference	Pagds	26730	23	69	57323	23	12	84054	11	1				
Fortifications .				_	•	•		_	95943	18	20				
His Majesty's Squad	ron .					•			2108						
His Majesty's Troop									15544						
·							P	agds	197651	2	66			79,060	8.
							_								

Expences at Fort St. George, cont'd	Civil	MILITARY	TOTAL.	
May 1757 to April 1758	CIVIL	MILITARY	IUIAL.	
• • • • • • • • • • • • • • • • • • • •	110,453 4 20	104223 10 1	223676 14 21	
Deduct as before			102437 35 24	
Difference Pagds	69,416 22 35	51821 28 42	121238 14 77	
Fortifications			98527 5 69	
His Majesty's Squadron	• •		2513 5 30	
His Majesty's Troops	• • •		14556 13 7	
Capture of Fort St. David Estimate	1		424752 12 42	
Vizagapatam			53993 8 36	
Ingeram			15148 22 5	
Madapollam			2321 3 .	•
				0- 1
Man space to April and		Pago	733050 13 26 at	85 d 293,220 2 .
May 1758 to April 1759				
		276255 30 5		
Deduct as before	50036 17 65	52401 17 39	102437 35 24	
Difference Pagds	69857 2 58	223854 12 46	293711 15 24	
Fortifications	74889 14 52			
His Majesty's Squadron	14009 04 00		1928 6 3	•
His Majesty's Troops			7147 8 22	
Capture of Deve Cotah			15713 5 45	
•				
		Pagd	9 393389 13 66	157,355 15 -
May 1759 to April 1760				
		244097 11 42		
Deduct as before	50036 17 65	52401 17 39	102437 35 24	
Difference Pagd	7647 29 47	191695 30 3	199343 23 50	
Fortifications			105739 31 59	
His Majesty's Squadron .	• • •	• • •	4815 23 6	
His Majesty's Troops				
		Pagd	342215 4 47	136,886
May 1760 to April 1761	_			
	71984 29 48	243120 8 19	315105 1 67	
Deduct as before	50036 17 65	52401 17 39	102437 35 24	
Difference Page	21948 11 63	190718 26 60	212667 2 43	
Fortifications			49376 2 53	
His Majesty's Squadron .			4100 32 24	
His Majesty's Troops			51319 20 73	
Expedition to Mahie			10460 62	
	• • •			_
		Pag	ds 327923 23 15	131,169 9 .
May 1761 to April 1762				
		237964 1 39	299331 26 56	
Deduct as before	. 50036 17 65	52401 17 39	102437 35 24	
Difference Page	11331 7 32	185562 20	196893 27 32	
His Majesty's Squadron .			- 2667 15 32	
His Majesty's Troops .			43249 19 59	
ranjenty o z toops	•			
		Pag	d <u>. 242810 26 43</u>	97,124 6

Expences at Fort St. George, cont	d. Civil	Military	Total	
May 1762 to April 1763	CIVIL	MILITARY	TOTAL	
General Charges Pagd	58828 29 8	71307 6 34	230135 35 42	
Deduct as before.	50036 17 65	52401 17 39	102437 35 24	
Difference Page	8792 11 23	08905 24 75	127698 . 18	
His Majesty's Squadron .			4435 . 69	
His Majesty's Troops			35373 8 40	
		Damie	767706 0 47 04	9e d 6= 000 =0
36 A 11		ragus	167506 9 47 at	85 d 67,002 10 .
May 1763 to April 1764 General Charges Pagds	<b>4</b> 7504 04 40 7	-00 -0 69	256262 27 26	
General Charges Pagds Deduct as before	57924 34 48 1 50036 17 65	•	256363 21 36	
Deduct as before		52401 17 39	102437 35 24	•
Difference Pagds	7888 16 63	46037 5 29	153925 22 12	
Fortifications			28342 20 42	
His Majesty's Squadron			5964 5 67	
His Majesty's Troops		• • •	25635 7 55	
		Pagds	213867 20 16	85,547
May 1764 to April 1765		<u></u>		
General Charges Pagds	100613 23 42	297610 28 48	398224 16 10	
Deduct as before	50036 17 65	52401 17 39	102437 35 24	
Difference Pagds	50577 5 57 2	145209 II 9	295786 16 66	
Fortifications			87237 27 58	
His Majesty's Squadron			2378 14 47	
His Majesty's Troops			5125 24 14	•
Expedition account the Northern		, ,	33 -4 -4	
Ćircars			11005 12 8	
		Pagds	401533 23 33	160,613 g
				100,013 9
May 1765 to April 1766				
General Charges Estimated Pagds	158308 29 21	208750 12 62	467068 6 2	
Deduct as before	50036 17 65	52401 17 39	102437 35 24	
<b></b>				
Difference Pages	108272 11 36	256357 31 23	364630 6 59	145,852
Memorandum,				£1,634,146
The Expences of the	Siege of Fort St.	George & the	Expedition to	
Pondichery are not included in thi Mahomet Aly Khan—but as it is				
the advances made from time to	time on his acc	ount may be	considered an	
Expence to the Company—the	Balance to the	31st Decr 17	65 was Pagds	_
1365104. 34. 34. or £S. 546,042.				Expences.
Expend	es at Fort Wil	lliam and Si	ubordinates.	
Man tage to April 100	Civil.	MILITARY.	TOTAL.	<b>.</b>
May 1753 to April 1754 General Charges . C. Rups	454070 70 0	168040 - 5	600010	£ s. d.
Deduct . C. Rup-	454979 13 9 1	100040 1 3	023019 15 .	
Charges of the Settlemt taken				
at a Medm of 5 years from 1740 to 1745 being a Time of Peace in				
India	420307 8 g 1	(30238 15 0	550546 8 6	
Difference C. Rups	34672 5 .	37801 1 6	72473 6 6 at	2. 3 <sup>d</sup> 8,153 4

Expences at Fort Wills	iam candod										
May 1754 to April	-				-						
General Charges.	C. Rups	401113	7	2	174208	6	2	665321	12	6	
Deduct as before		., .	•	_			_	550546	_		
							_				
	e C. Rup	70805	14	6	43969	6	6	114775	5	•	12,912 4
May 1755 to April								06	_	,	
General Charges.	C. Rups	94750	12	О	111035	9	٠	205786	5	0	
June 1756 to April General Charges.	C. Rups	* 70220	6	_	6884		•	186113	g		
Note,	C. Rup	1/9229	Ü	9	0004	•	3	100113	٠	•	
No Extra charg	res appear	for the	two	DI	eceding	vears	s t	ov reason	of t	he	
Company's being											
the Currency of th											•
May 1757 to Apr		_				•					
General Charges.		565243	3	8	1093184	5	9	1658427	9	5	
Deduct as before		420307	8	9	130238	15	9	550546	8	6	
Difference	C. Rups	744005	<del></del> -		060045		_			_	
Difference	c. Kup	144935	10		902945		<u>.</u>	110/001	•	11	
New Fort .								455679	7	8	
					C	Due		1563560		_	785 000 TT
					<del>-</del>	Kup	<u>-</u>		-		175,900 11
May 1758 to April											
General Charges.	C. Rups		-			_		2084978			
Deduct as before		420307	8	9	130238	15	9	550546	8	6	
Difference	C. Rup	243299	12	9	1291131	13	4	1534431	10	ī	
New Fort				_			_	1254373	13	II	
	•	•	•	•						_	
					C.	Rup		2788805	8	•	313,740 12 .
May 1759 to April	1760										
General Charges.	-	1034932	14	6	1898753	12		2933686	10	6	
Deduct as before								550546			
Difference	C. Rups	67.1605		_	T768514		_	0080740		-	
	c. Kup	014025		_		12	<u>3</u>				
New Fort .		•	•	•	•	•	•	751567	10	<b>2</b>	
					<u>c.</u>	Rup	,	3134707	12	2	352,654 12 .
		Civ	IL.		Mili	TARY.		Тота	L.		
May 1760 to April											£sd.
General Charges .  Deduct as before.	• •							3608550			6 6
Deduct as before.	•	420307	-	<del>-</del> 9	130230		_	550546		, —	<del>-</del>
Difference	e C. Rup	279139	4	<u>·</u>	2778864	7	٠	305800; -	3 1	I	•
New Fort .					· _			12622			4
					C. R	up•		3184230	) (	5	4 at 2º 3d 358,225 18
May 1761 to April	1762										_
General Charges .		804105	10	2	321799	7 I		402210	2 I	I	2
Deduct as before.		420307			13023						6
TO! IT	. C P						_				-
Dinerence	e C. Rups	303798		_5	308775	0 I	_:	3 347I55 -	U	2	o
New Fort .		•		•	•	•	•	28335	0	7	9
					<b>C.</b> 3	Rups		375490	5 10	0	
										_	<del></del>

•				
Expences at Fort William, cont'a	<i>t</i> .			
May 1762 to April 1763				
General Charges . C. Rups	928726 15 9	2985749 14 7	3914476 14 4	
Deduct as before	420307 8 9	130238 15 9	550546 8 6	
Difference C. Rupe	508419 7 .	2855510 14 10	3363930 5 10	
New Fort			348281 6 7	
		C. Rups	3712211 12 5	417,623 16
May 1760 to April 1764				
May 1763 to April 1764 General Charges . C. Rups	T007478 TT T	4800077 0 8	5822g0 4 g	
<b>*</b>		130238 15 Q		
Deduct as before	420307 8 9	130236 15 9	550540 8 0	
Difference C. Rups	581011 2 4	4670732 9 11	5251743 12 3	
New Fort			422042 . 3	
		C. Rup!	5673785 12 6	638300 17
May 1764 to April 1765 General Charges 8 Months, May to Dec. 1764. Estimd by the former year. C. Rups. 4 Months, Jan. to April 1765,	667545 12 8	3200647 11 10	3868193 8 6	
proportion of the Statemt for the	1007778 14 10	2924578 7 .	3932357 5 10	
C. Rups	1675224 11 6	6125226 2 10	7800550 74 4	
• •		130238 15 0		
Difference . C. Rups	1255017 2 9	5994987 3 I	7250004 5 10	
New Fort Estimated for 8 months as by the former year			281361 5 5	·
May 1765 to April 1766				
General Charges		C. Rups	7531365 11 3	847,278 12
8 Months, May to Dec. 1765, proportion of the Statem! for the Year 1765 . C. Rups 4 Months, Jan. to April 1766 Estimated for time of Peace		5849156 14 .	7864714 11 7 3093333 5 4	
Deduct as before			10958048 . 11 550546 8 6	
Difference .		. C. Rups	10407301 8 5	1,170,843 18.
Memorandum,				£4,718,061 4.

The charges from Jany 1 to Decr. 1765 are proportioned according to a Statemt of Exps. for the Year (recd P Ship Adm! Watson) amounts to C. Rups. 11797072.1.5. or £ S. 1,327,170,12.

# Expences at Bombay and Subordinates.

A	- 4- T-1	Civi	<b>L.</b>	MILIT	ARY.	TOTAL.	c _ a
	3 to July 1754 . Rup	518006	78	457092	47	975098 1 25	£ s.d.
Deduct	•	<b>J</b>	,-	437-9-	71	9/8090 - 25	
	e Settlemt taken lears from 1740 to						
	of Peace in India	352062	1 4	347326	2 81	699388 3 85	
	Difference Rups	165943	3 74	109765	ı 66	275700 I 40 at 2.6	34,463 13
Amount The							
General Charges	to July 1755 Rups	540816	43	430710	3 65	971527 . 8	
Deduct as befor	• •	352062		347326	-	699388 3 85	
	Difference Rups	188753	3 30	83384	. 84	272138 . 23	34,017 5
A	• •						3410-7
General Charges	s to July 1756 . Rups	555946	<b>5</b> 1	505968	T 2T	1061914 1 75	
Deduct as before		352062				699338 3 85	
	Difference Rupe	203883	3 50	158641	2 40	362525 1 90	
Fortifications		•		•		41148 . 10	
					Rups	403673 2 .	50,459 3
August 1756	to July 1757						
General Charges	. Rups						
Deduct as befor	·	352,062	I 4	347326	2 81	699388 3 85	
	Difference Rups	289518	1 23	429777	3 83	719296 I 6	
Fortifications				•		148061 . 20	
					Rups	867357 1 26	108,419 13
Anonet 1767	to July 1758						
General Charges		624755	1 16	842700	3 10	1467465 . 26	
Deduct as befor	e	352062	I 4	347326	2 81	699388 3 85	
	Difference Rups	272693	. 12	495383	. 29	768076 . 41	
<b>Fortifications</b>		•		•		257541 3 88	
					Rups	1025618 . 29	128,202 5
August 1758	to July 1759						
General Charges	• • • • • • • • • • • • • • • • • • • •	682638	1 10	870531	3 57	1553170 . 67	
Deduct as befor	·e	353062	1 4	347326	2 81	699388 3 85	
	Difference Rups	330576	. 6	523205	. 76	853781 . 82	
Fortifications				•		271129 1 78	
					Rups	1124910 2 60	140,613 16
	to July 1760						
General Charges				1124320		1773571 2 75	
Deduct as before		352062		347326		699388 3 85	
	Difference Rups	297189	7	776993	1 83	1074182 2 90	
Fortifications Capture of Gomb		•		•		340727 3 4 559886 2 40	
Capture of Gomb		•	• •	•	-		
					Rups	1974797 . 34 .	246,849 12

Expences at Bombay, cont'd.	Civil		m	
August 1760 to July 1761	CIVIL.	MILITARY.	TOTAL.	£. s.d.
General Charges Rups	581865 3 54	831290 2 19	1413156 1 73	~
Deduct as before	352062 I 4	347326 2 81	699388 3 85	
<b>5.0</b>			<del></del>	
Difference Rup	229803 2 50	483963 3 38	713767 1 88	
Fortifications			236751 1 68	
Expedition against Mahie .			93400 3 64	
-		D		. (4 0 -
		Kup	1043919 3 20 at 2	• 6d 130,489 19
August 1761 to July 1762				
General Charges Rups	607739 2 18	935273 3 89	1543013 2 7	
Deduct as before	352062 1 4	347326 2 81	699388 3 85	
Difference Rup	255677 I 14	587947 I 8	843624 2 22	
Fortifications			00077 7 77	
Expedition against Mahie .			29077 I 77 36160 I 45	
		_		
•		Rup	908862 1 44	113607 15
August 1762 to July 1763				
General Charges Rups	555625 2 12	905165 2 41	1460791 . 53	
Deduct as before	352062 I 4	347326 2 81	699388 3 85	
D:# D		7.170.0		
Difference Rups	203563 I 8	557838 3 60	761402 . 68	•
Fortifications			251663 . 89	
		Rupș	1013065 1 57	126633 3
August 1763 to July 1764				
General Charges Rups	634527 . 43	747074 0 04	1382501 3 67	
•	352062 I 4	747974 3 24 347326 2 81	699388 3 85	
Deduct as before	352002 1 4	34/320 2 01		
Difference Rups	282464 3 39	400648 . 43	683112 3 82	
Fortifications			95831 1 21	
		Rup	778944 I 3	97,368
August 1764 to July 1765				
General Charges				
Estimated as for the former year				97,368
August 1765 to July 1766				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
General Charges				
Estimated as before				97,368
				£1,405,860 4.
			Ex	pences.
				•
<b>.</b> .		,, ,		

# Expences at Fort Marlborough and Dependencies.

May 1753 to April 1754	Civil.	MILITARY.	TOTAL.	ſ	s. d.
General Charges Dollra Deduct	59811 1 65	35430 . 79	95241 2 44	~	3. u.
Charges of the Settlemt taken at a Medm of 5 Years from 1740 to 1745 being a time of Peace in India	40051 . 57	21024 3 64	61076 . 21		
Difference Dollrs	19760 I 8	14405 1 15	34165 2 23 at 5 * d	8,541	7 .

Expences at Fort Marlborough, con	nt'd.			
May 1754 to April 1755 General Charges . Dollrs Deduct as before .	40390 3 14 40051 . 57	30271 3 20 21024 3 64	70662 2 24 61076 . 21	
Difference Dollrs	339 2 57	9246 3 56	9586 2 13	2,396 12
May 1755 to April 1756				
General Charges . Dollrs Deduct as before .	46415 . 39 40051 . 57	36293 3 43 21024 3 64	82708 3 82 61076 . 21	
Difference Dollrs	6363 3 82	15268 3 79	21632 3 61	5,408 3 -
May 1756 to April 1757				
General Charges . Dollrs Deduct as before	66,132 . 88 40051 . 57	36661 1 14 21024 3 64	102793 2 2 61076 . 21	
Difference Dollrs	26081 . 31	15636 1 50	41717 1 81 .	10,429 6.
May 1757 to April 1758				
General Charges Dollra Deduct as before	55125 . 38	37454 I 49	92579 1 87	
Difference Dollies	40051 . 57 15073 3 81	21024 3 64 16429 1 85	61076 . 21 31503 1 66	7,875 6.
May 1758 to April 1759				
General Charges Dollrs	54107 3 30	37468 . 8	91575 3 38	
Deduct as before	40051 . 57	21024 3 64	61076 . 21	
Difference Dollrs	14056 2 73	16443 . 44	30449 3 17	7,624 18 .
	Civil. To	OTAL, MILIT	fary.	
May 1759 to April 1760				£ s. d.
Capture of Fort Marlborough &c. estimated		Doll	489943 . 49 at 5	122,485 15.
July 1761 to October 1762				
General Charges Dollrs Deduct I Year 3 Months Medm charges as before	103629 2 98 50063 3 71	42925 2 73 26281 . 55	146555 1 71 76345 . 26	
med; charges as before.		20201 . 55	70345 . 20	
Difference Dollrs	53565 3 27	16644 2 18	70210 1 45	17,552 11 .
Noveme 1762 to April 1763	20005 0 50	04700 0 70	1900.	
General Charges Doll <sup>rs</sup> Deduct proportion of Med <sup>m</sup>	32985 2 72	25108 2 19	58094 . 91	
Charges (6 Months)	20025 2 28	10512 1 82	30538 . 10	
Difference Dollrs	12960 . 44	14596 . 37	27556 . 81 .	6,889
May 1763 to April 1764				
General Charges Doll <sup>13</sup> Deduct Med <sup>12</sup> Charges as before	99860 I 5I 4005I . 57	52807 . 61 21024 3 64	152487 2 12 61076 . 21	
Difference Dollrs	59629 . 94	31782 . 97	91411 1 91 .	22,852 17 .
May 1764 to April 1765				
General Charges . Dollrs Deduct as before	93337 · 29 40051 · 57	58240 3 88 21024 3 64	151578 . 17 61076 . 21	
Difference Dollrs	53285 3 72	37216 . 24	90501 3 96	22,625 10 .
May 1765 to April 1766				
General Charges, estimated as for t	he former year		• •	. 22,625 10 .
			Expences.	£257,307 5.

		Expences	at St. Helend	a	
		CIVIL.	MILITARY.	TOTAL.	. £ s.d.
Octor 1753 to Se	ptr. 1754	£ s.d.	£ s. d.	£ s.d.	2 5. 4.
General Charges . Deduct		1710 7.	9023 14.	10734 1 .	
Charges of the Se	ettlem <sup>t</sup> taken				
at a Medm of 5 years	•				
1745 being a time of I	eace in India	1389 12 .	5898 11	7288 3 .	
	Difference	320 15	3125 3 .		3,445 18 .
Octor 1754 to Se	ptr 1755				
General Charges .		1464 10 .	8993 4	10457 14	
Deduct as before		1389.12.	5898.11.	7288 3.	
	Difference	74 18 .	3094 13 .		3,169 11 .
Octor 1755 to Se	pr 1756				
General Charges .	• •	2016 12 .	9659 4	11675 16 .	
Deduct as before		1389 12	5898 II	7288 3	
	Difference	627	3760 13		4,387,13 .
Octr 1756 to Sep	t: 1757				
General Charges .		· 2186 II .	10274 15 .	12461 6.	
Deduct as before		1389 12 .	5898 11 .	7288 3 .	
	Difference	796 19 .	4376 4 .		5,173 3 •
Octor 1757 to Se	pt <u>.</u> 1758.				
General Charges .		1927 10 .	11506 8.	13433 18 .	
Deduct as before		1389 12 .	5898 11 .	7288 3.	
	Difference	537 18 .	5607 17 .		6,145 15.
Octr 1758 to Sep	t: 1759				
General Charges .		2401 8.	1236 <b>7</b> 7.	14768 15 .	
Deduct as before		1389 12 .	5898 II .	7288 . 3 .	
	•	1011 16 .	6468 16 .		7,480 12 .
					£. s. d.
		CIVIL.	MILITARY.	TOTAL.	£, s.d.
Octor 1759 to Se	pt 1760	£ s. d.	£ s.d.	£ s. d.	
General Charges .		3135	12677 2 .	15812 2.	
Deduct as before		1389 12 .	5898 11 .	7288 3 .	
	Difference	1745 8 .	6778 11 .		8,523 19 .
Octor 1760 to Se	pt <u>.</u> 1761				
General Charges .		3642 I.	12659 4 .	16301 5.	
Deduct as before		1389 12 .	5 <b>89</b> 8 II .	7288 3.	
	Difference	2252 9 .	6760 13		9,013 2.
Octor 1761 to Se	pt. 1762				
General Charges .		4730 5 .	12512 6.	17242 11 .	
Deduct as before		1389 12 .	5898 11 .	7288 3.	
	Difference	3340 13 .	6613 15		9,954 8 .
Octor 1762 to Se	pt <u>.</u> 1463				

Expenses at St. Heles	na, cont'd.				
General Charges .		5696 2.	12876 10.	18572 12 .	
Deduct as before		1389 12 .	5898 11 .	7288 3.	
	Difference	4306 10 .	6977 19 .		11,284 9.
Octor 1763 to Se	pt. 1764				
General Charges .		5303 10 .	13102 2.	18405 12 .	
Deduct as before		1389 12 .	5898 11 .	7288 3	
	Difference	3913 18 .	7203 11 .		11,117 9
Octor 1764 to Se	pt; 1765				
General Charges .		4951 11 .	13735 10 .	18687 I.	
Deduct as before	• •	1389 12 .	5898 11 .	7288 3 .	
	Difference	3561 19 .	7836 19 .		11,398 18 .
Octor 1765 to Se	pt. 1766				
General Charges estimate	mated as for th	ne former Year			11,398 18
					£102,493 15 .
					Expences.

# Expences not included in the General Charges of the several Settlement, as the same cannot be sepera[ted] for their respective years.

1753	to 1765								£	s.d.	£	s.d.
Disbursements i	or the Ma	intenanc	e & Su	bsistenc	e of F	rench I	risoner	and				
Incident Ch	arges as ?	🖁 Genera	d Accou	int					260,687	8.		
Deduct												
Charges at Bom	ay includ	ed in the	Charges	of that	Settlem	ent Rup	75456	.3.38				
at 2º 6d .	•	•	•	•	•	•	•	•	9,432	••	251,255	8.
1762	to 1765											
Expedition to I	fanila ext	racted fr	om acco	unts rec	d from	Fort St	. George	е.			141,236	14

### Note

The above Sum is not to be considered as the whole Charge of the Expedition, many Articles of Expence (which cannot yet be ascertained) being still to be added to this Account exclusive of any Estimate of Loss sustained by the Company by the Detention at Manilha of part of Treasure design'd for Canton at a time that the Supra Cargoes were in Want of Money.

£392,492 2.

## Abstract of the foregoing State of Expences.

12,91: 175,900 313,740 352,654 358,22 422,42: 417,62 638,300 847,27: 1,170,843	s. d. 3 4 · 2 4 · · ·	Subordin £ 34,463 34,017 50,459 108,419	s. d. 13 . 5 .	8,541 2,396	s. d.	_	s. d. 18.	Тотлі £ 134,594	s.d.
8,15; 12,91; 175,900 313,744 352,654 358,22; 422,42; 417,62; 638,300 847,27; 1,170,84;	3 4 · 2 4 · · ·	34,463 34,017 50,459	13 . 5 .	8,541 2,396	7 .	3,445	18.		
12,91: 175,900 313,740 352,654 358,22 422,42: 417,62 638,300 847,27: 1,170,843	· · · · · · · · · · · · · · · · · · ·	34,017 50,459	5 •	2,396	-			134,594	17.
175,900 313,744 352,654 358,22 422,42 417,62 638,300 847,27		50,459	-		12.	2 160			- •
175,900 313,740 352,654 358,221 422,421 417,621 638,300 847,271			3 .			3,109	II.	148,730	14.
175,900 313,740 352,654 358,221 422,421 417,621 638,300 847,271	11.	108,419		5,408	3 .	4,387	13.	164,344	3 •
313,744 352,654 358,22 422,42 417,62 638,30 847,27			13.	10,429	6.	5,173	3 •	203,082	IO.
352,654 358,22 422,42 417,62 638,30 847,27 1,170,84		128,202	5 .	7,875	16.	6,145	15.	611,344	9.
358,22 422,42 417,62 638,30 847,27 1,170,84	12.	140,613	ıĠ.	7,624	18.	7,480	12.	626,815	13.
422,42' 417,62 638,300 847,27' 1,170,84	12.	246,849	12.	122,485	15.	8,523	19.	867,399	18.
417,62 638,30 847,27 1,170,84	5 18 .	130,489	19.	•		9,013	2.	628,898	8.
638,30 847,27 1,170,84	7	113,607	15.	17,552	II,	9,954	8.	660,666	
847,27	3 16.	126,633	3 .	6,889		11,284	9.	629,432	18.
1,170,84	17.	97,368		22,852	17 .	11,117	9.	855,186	з.
	8 12 .	97,368		22,625	IO.	11,398	18.	1,139,284	9.
	3 18 .	97,368	• •	22,625	10.	11,398	18.	1,448,088	6.
4,718,06	4.	1,405,860	4 .	257.307	5.	102,493	15.	8,117,868	8.
_	8,061	8,061 4.	70,843 18 . 97,368 8,061 4 . 1,405,860	97,368	8,061 4 . 1,405,860 4 . 257,307	97,368 . 22,625 10 . 8,061 4 . 1,405,860 4 . 257,307 5 .	70,843 18 . 97,368 22,625 10 . 11,398 8,061 4 . 1,405,860 4 . 257,307 5 . 102,493	70,843 18 . 97,368 22,625 10 . 11,398 18 .	8,061     4     1,405,860     4     22,625     10     11,398     18     1,448,088       18,061     4     1,405,860     4     257,307     5     102,493     15     8,117,868

£8,510,360 10.

EAST INDIA HOUSE 5th February 1767.

Errors Excepted

GEO.: OLDMIXON

Aud of Indian Accous

#### PRINCIPAL ACCESSIONS IN AUGUST.

#### GENERAL WORKS.

**Brockhaus** (F. A.) Brockhaus' Konversations-Lexikon. Bd. 9. Berlin, 1902. 14. ed. 4°.

Encyclopædia Britannica. v. 27. 10. ed. Edinburgh, 1902. 4°.

#### BIOGRAPHY.

#### Alphabetical, by subjects.

**Plummer** (C.) The life and times of Alfred the Great. Oxford, 1902. 8°.

**Krauel** (R.) Prinz Heinrich von Preussen als Politiker. *Berlin*, 1902. 8°.

(Quellen und Untersuchungen zur Geschichte des Hauses Hohenzollern. Bd. 4.)

Waller (A. R.), and Barrow (G. H. S.) John Henry, Cardinal Newman. Boston, 1901. 16°. (Westminster biographies.)

**Sedgwick** (John). Correspondence of J. Sedgwick. v. 1. *New York*, 1902. 8°.

#### AMERICA.

**Beach** (William H.) The first New York (Lincoln) cavalry. From April 19, 1861, to July 7, 1865. *New York*, 1902. 8°.

[Carpenter (George E.)] Souvenir history of the Salt Lake Fire Department, 1852 to . . . 1901. [Salt Lake City, 1901.] f°.

Farley (Joseph Pearson). West Point in the early sixties. With incidents of the war. Troy, N. Y.: Pafraets Book Co., 1902. vii, 201 pp., 31 pl. 8°.

Roberts (F. H. H.) Civil government of Ohio. Syracuse, 1902. 12°. (The Nation and the State.)

**Simonds** (William Edger). The American date book. A hand-book of reference relating to the United States of America. *Hartford, Conn.: Kama Co.* [1902]. vii, 211 pp. 8°.

#### EUROPE.

**Bowker** (A.) The King Alfred millenary. *London*, 1902. 4".

Firth (C. H.) Cromwell's army. London, 1902.

**Form** (The) and order of the service that is to be performed in the coronation of King Edward VII. and Queen Alexandra. *London*, 1902. 4°.

Handbook for Berkshire. London, 1902.

**Schippel** (Max). Sozialdemokratisches Reichstags-Handbuch. Ein Führer durch die Zeit- und Streitfragen der Reichsgesetzgebung. *Berlin* [pref. 1902]. 12°.

Springer (Rudolf). Der Kampf der Oesterreichischen Nationen um den Staat. Theil I.

Leipzig, 1902. I v. 8°. Th. r. Das nationale Problem als Verfassungs- und Verwaltungsfrage.

Walker (A. H.) A primer of Greek constitutional history. Oxford, 1902. 12°.

### AFRICA AND ASIA.

Amtliche Berichte des Gen. J. H. de la Rey, des Gen. J. C. Smuts und des Gen. P. J. Liebenberg, sowie andere Urkunden über den Südafrikanischen Krieg... Mit Zustimmung der Regierung der Burenstaaten in deutscher Uebersetzung hrsg. durch A. Schowalter. München, 1902. 2 pts. in I vol. 8°.

Johnston (Sir Harry). The Uganda protectorate. London, 1902. 2 v. 4°.

**Sparroy** (W.) Persian children of the royal family. *London*, 1902. 8°.

#### JEWS.

**Ferguson** (F. M.). The family of the Herods; or, the last dynasty of Jewish kings. Kansas City, 1902. 8°.
Gift of J. H. Schiff.

Ziegler (Ignaz). Die Königsgleichnisse des Midrasch beleuchtet durch die römische Kaiserzeit. Breslau, 1903. 8°.

Gift of J. H. Schiff.

#### Music.

Fuller Maitland (J. A.) English music in the XIXth century. London, 1902. 12°.

AMERICAN AND ENGLISH LITERATURE.

Blandon (Charles G.) A drift of song. Evanston, 1902. 16°.

Eastman (E. R.) Eastman's poems. Original and translated. *Toledo, O.: Hadley Printing Co.*, 1902. 7 p. l. 130 pp. 16°.

**Macleod** (F.) The sin-eater, and other tales. *Edinburgh* [cop. 1895]. 8°.

**Maclood** (F.) The washer of the ford. *Edinburgh* [cop. 1896]. 8°.

Peabody (Josephine Preston). Marlowe. A drama in five acts. Boston: Houghton, Mifflin & Co., 1901. 1 pl., 156 pp. 8°.

Rogers (Charles Gordon). Government clerks. A book of ballads. *New York: A. H. Kellogg*, 1902. 2 p. l., 39 pp. 8°.

World's (The) best essays, from the earliest period to the present time. St. Louis, 1900. Royal ed. 10 v. 4°.

World's (The) great classics. New York [cop. 1899-1902]. 61 v. and Index. 8°.

## FOREIGN LITERATURE.

**Duering** (Lilian von). Aus friedloser Zeit. Roman aus dem alten Osnabrück. *Braunschweig*, 1902. 12°.

Ercilla y Zuñiga (Alonso de). La Aravcana. Madrid, 1569. 8°.

Printed in fac-simile at the De Vinne Press, 1902, from the original in possession of Archer M. Huntington.

Guicciardi (Decimo). La Torta, Commedia. Milano, 1902. 8°.

(Biblioteca drammatica, no. 1.)

**Pérez Galdós** (B.) Episodios nacionales. 4. ser. Las tormentas del 48. 7,000. *Madrid*, 1902. 16°.

Sanchis (Vicente). Redimida. Estudio social contemporáneo. *Madrid*, 1902. 12°.

Valera (J.) Laurelles. Tarragona, 1901. 16°.

MATHEMATICAL AND PHYSICAL SCIENCES.

**Abady** (J.) Gas analyst's manual. *London*, 1902. 8°.

Glibbs (J. Willard). Elementary principles in statistical mechanics, developed with especial reference to the rational foundation of thermodynamics. *New York*, 1902. 8°.

(Yale Bi-centennial publications.)

Joal (A.) Tables géodésiques. Paris, 1902.

Ostwald (W.), and Luther (R.) Hand- und Hilfsbuch zur Ausführung Physiko-chemischer Messungen. Leipzig, 1902. 8°.

**Pearson** (K.) The grammar of science. London, 1900. 8°.

#### BIOLOGICAL SCIENCES.

Beddard (F. E.) Mammalia. London, 1902.

(Cambridge natural history . . . v. 10.)

**Jones** (B.) Habits and anecdotes of the moose. Boston, 1901. 8°. Gift of J. L. Cadwalader.

Miall (L. C.) Injurious and useful insects. An introduction to the study of economic entomology. London, 1902. 12°.

#### PHILOLOGY.

Grundriss der romanischen Philologie . . . hrsg. von G. Gröber. Bd. 2, Abtlg. 1. Strassburg, 1902. 4°.

Sociology.

Broome (Isaac). The last days of the Ruskin co-operative Association. Chicago: C. H. Kerr & Co., 1902. 183 pp., 15 pl., 1 port. 16°. (Standard Socialist Series.)

Cimbali (Enrico). Due riforme urgenti: il divorzio e la ricerca della paternità naturale. *Torino*, 1902. 8°.

#### ECONOMICS.

Adgie (William). Modern bookkeeping and accounts. Pt. II. *London*, 1902. 12°. (Hooper & Graham's series.)

**Blatchford** (R.) Britain for the British. London, 1902. 12°.

**Bonsall** (Charles). Money: its nature and its functions. Salem, O., 1902. 8°.

Creanga (George D.) Die direkte Besteuerung in Preussen und Rumänien. *Berlin*, 1900. 8°. (Rechts- und staatswissenschaftliche Studien, Heft 8.)

Fuisting (B.) Die Grundzüge der Steuerlehre. Berlin, 1902. 8°.

Gottsberger (Francis). Accountant's guide, for executors, administrators... and trustees. New York [cop. 1902]. 4°.

**Handbuch** der Wirtschaftskunde Deutschlands. Bd. 2. *Leipzig*, 1902. 4°.

International Cable Directory Company. International cable directory of the world. New York [cop. 1902]. 4°.

— Western Union Telegraph Code (Universal edition). New York [cop. 1901]. 4°.

**Neurath** (Wilhelm). Gemeinverständliche nationalökonomische Vorträge . . . Hrsg. von E. O. von Lippman. *Braunschweig*, 1902. 8°.

**Seligman** (Edwin, R. A.) The economic interpretation of history. *New York*, 1902, 12°.

#### INDUSTRIES AND INDUSTRIAL ARTS.

Enselin (Max). Mehrmals gelagerte Kurbelwellen mit einfacher und doppelter Kröpfung. Stuttgart, 1902. 4°.

Household (The) cook book. Edited by J. B. Smiley. New century edition. Chicago, 1900. 8°.

**Knoll** (C.) Taschenbuch zum Abstecken der kurven an Strassen und Eisenbahnen. Neu bearbeitet von W. Weitbrecht. *Stuttgart*, 1902. 2. ed. 16°.

**Saley** (M. L.) Realm of the retailer: the retail lumber trade. *Chicago*, 1902. 8°.

Schiff bauindustrie (Die) in Deutschland und im Auslande. Unter Benutzung amtlichen Materials hrsg. von T. Schwarz und E. von Halle. Th. 1-2. Berlin, 1902. 2 v. 4°. Proudfit Collection.

**Schults** (Gustav), and **Julius** (P.) Tabellarische Uebersicht der im Handel befindlichen künstlichen organischen Farbstoffe. Berlin, 1902. 4. ed. 4.

Sheldon (Samuel), and Mason (H.) Alternating current machines: being the second volume of Dynamo electric machinery; its construction, design and operation. New York: D. Van Nostrand Co., 1902. iv, 1 l., 259 pp. 12°.

Villuga (Pedro Juan). Reportorio de todos los caminos de España. Medina del Campo, 1546. [Reprinted, New York, 1902.] 8°.

#### NAUTICAL AND NAVAL ART.

Mercantile (The) marine in war time. London, 1902. 12°.

(Shipping Gazette Library, no 2.) Proudfit Collection.

Sigismondi (I.) La marina dello stato. Studio. Torino, 1902. 8°.

Proudfit Collection.

#### PHILOSOPHY.

**Geissler** (Kurt). Die Grundsätze und das Wesen des Unendlichen in der Mathematik und Philosophie. *Leipzig*, 1902. 8°.

Müsselmann (Leo). Das Problem der Willensfreiheit in der neuesten deutschen Philosophie. Leipzig: J. A. Barth, 1902. 2 p. l., 115 pp. 8°.

**Sidgwick** (A.) The use of words in reasoning. London, 1901. 8°.

#### THEOLOGY.

**Bible.** English. The Cambridge Bible. The Song of Solomon. Cambridge, 1902. 12°.

**Hewitt** (J. F.) History and chronology of the myth-making age. London, 1901. 8°.

**Preussen** und die Katholische Kirche seit 1640. Th. 8. Leipzig, 1902. 8°.

Public. aus den K. preuss. Staatsarch, Bd. 76.

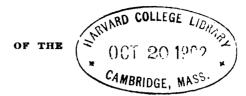
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# BULLETIN



# NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

# Volume VI · Number 10 October 1902

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NEW YORK 1902

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RIVERSIDE, 116 West 65th Street (near Broadway).

YORKVILLE, 1523 Second Avenue. THIRTY-FOURTH STREET, 215 E. 34th St. CHATHAM SQUARE, 22 East Broadway. ST. AGNES, 2279 Broadway.

Washington Heights, 922-924 St. Nicholas Avenue, corner of 156th St.

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FRONT ELEVATION.

CHATHAM SQUARE BRANCH—NEW YORK PUBLIC LIBRARY.

(CARNEGIE BUILDING No. 2.)

## BULLETIN

OF THE

## NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

Vol. VI. October, 1902. No. 10.

### REPORT FOR SEPTEMBER.

#### REFERENCE DEPARTMENT.

During the month of September there were received at the Library, by purchase, 1,244 volumes and 508 pamphlets; by gift, 814 volumes, 2,267 pamphlets, and 43 maps; and by exchange, 37 volumes and 317 pamphlets.

There were catalogued 5,379 volumes and 2,162 pamphlets, for which purpose 9,670 cards and 3,525 slips for the copying machine were written, and 17,989 cards were received from the copying machine.

The following table shows the number of readers, and the number of volumes consulted, in both the Astor and Lenox Branches of the Library, also the number of visitors to the Print Department at the Lenox, during the month:

· .	LENOX.	Astor.
No. of readers and visitors	3,549	8,999
No. of readers	2,094	8,999
No. of readers, desk applicants	1,044	8, 165
No. of volumes consulted by desk applicants.	5,375	30,007
Daily average of readers	80	346
Number of visitors to Print Exhibit, etc	1,632	

#### CIRCULATION DEPARTMENT.

The most popular books for the month of September were (in non-fiction): Seton's "Lives of the Hunted," Colquhoun's "Mastery of the Pacific," and Roberts's "Kindred of the Wild;" (adult fiction) Wister's "The Virginian," Hough's "The Mississippi Bubble," and Major's "Dorothy Vernon;" (juvenile fiction) Alcott's "Little Women," Lang's "Red Fairy Book," and Hegan's "Mrs. Wiggs of the Cabbage Patch."

#### CIRCULATION STATISTICS.

BRANCHES,	CIRCUL	ATION.	NEW	READERS II	VOLUMES	
	HOME USE.	TOTAL.	TIONS.	MINORS.	TOTAL.	ACCES- SIONED.
Bond Street	9,219	9,622	160	568	2,695	19
Ottendorfer	14,026	14,610	151	742	2,904	51
George Bruce	12,225	13,805	185	1,097	1,580	12
Jackson Square	9,641	10,488	148	365	1,751	12
Harlem	9,665	10,752	227	1,181	2,148	13
Muhlenberg	8,650	10,804	170	977	2,154	10
Bloomingdale	13,193	14, 388	203	1,212	2,629	25
Riverside	4,229	5,246	72	1,277	2,041	17
Yorkville	12,249	13,984	200	1,383	1,735	30
Thirty-fourth Street	4,228	5,728	68	807	1,500	36
Chatham Square	8,805	9,398	124	432	593	18
St. Agnes	10,380	11,731	106	800	2,244	40
Washington Heights	8, 306	9,412	173	2,247	4,771	2
Travelling	10,592	10,592				118
	135,408	150,560	1,987	13,088	28,745	403

The most important gifts received at the Library during the month were:—From the American Agriculturist, 259 volumes of miscellaneous Government reports and agricultural reports; from the Colonial Secretary of the Bahamas, 8 volumes and 6 pamphlets, votes, laws, etc., of the colony; from the Under Secretary to the Government of India, 6 volumes of reports of the Plague Commission for 1898 and 1899; from the Imperial University, Kasan, Russia, 4 volumes issued by the University; from the City of Newburyport, 22 volumes and 18 pamphlets, documents of the City; from the Colonial Secretary, Straits Settlements, Singapore, 38 volumes and 3 pamphlets, including blue books, ordinances, proceedings of the Legislative Council, etc.; from the United States Consul General to the Straits Settlements at Singapore, 51 volumes of the blue book, etc.; from Fr. Voisin, Bey, 3 volumes and 1 pamphlet relative to the Canal Suez, by himself.

The exhibition of Rossetti prints and those relating to Victor Hugo at the Lenox was continued; and at the Astor, the plates from Mollinier's "Royal Interiors" and "Das Interieur."

The new exhibitions in the circulation branches were as follows: Bond Street, Western Life, Stories of the Woods, Stories of W. D. Howells; Ottendorfer, Autumn, A few favorite books for children, Some cultivated plants, Emile Zola, Caricatures of a few well-known writers; Jackson Square, Eggleston's works; Harlem, Autumn, Books for boys, Books for girls; Thirty-Fourth Street, Martinique; Chatham Square, McKinley memorial, Harvest, Edward Eggleston, Jerusalem; St. Agnes, Fairy tales, Detective stories, Boarding school stories.

The following eight sites for Carnegie Library buildings in the Boroughs of

Manhattan, the Bronx and Richmond have been acquired or contracted for up to this date:

Carnegie Site No. 1, 222-224 East 79th Street. James Brown Lord, architect. Carnegie Site No. 2, 31-33 East Broadway. McKim, Mead & White, architects. Carnegie Site No. 4, N. W. Cor. 140th Street and Alexander Avenue. Babb, Cook & Willard, architects.

Carnegie Site No. 6, 224-226 East 125th Street. McKim, Mead & White, architects.

Carnegie Site No. 8, 190-192 Amsterdam Avenue. Carrére & Hastings, architects.

Carnegie Site No. 16, 67th Street near First Avenue. Babb, Cook & Willard, architects.

Carnegie Site No. 19, Port Richmond, S. I. Carrére & Hastings, architects. Carnegie Site No. 22, Tottenville, S. I. Carrére & Hastings, architects.

The building at Site No. 1, Nos. 222-224 East 79th Street, is nearing completion, and plans have been completed and contracts have been let for the construction of the building at Site No. 2, at 31-33 East Broadway. The front elevation and floor plans of this latter building, which will house the present Chatham Square branch, are given opposite page 379, and on pages 383 to 387.

This new building will stand on a lot 50 by 75 feet on the south side of East Broadway, near Chatham Square.

The street front, which is of Indiana limestone, shows a three-story and basement building, the distinctive features of which, the large arches on the first floor, surmounted by pillars reaching to the cornice, also appeared in the first Carnegie building—that for the Yorkville Branch on East 79th Street—and belong to the general type adopted for all these buildings by the Architectural Commission. The differences between the two fronts, however, are considerable, and give assurance that the adoption of such a general type will not lead to monotony.

The frontage on the street is the full width of the lot—50 feet, and the depth on the basement and ground floors is 67½ feet. On the upper floors the building is five feet shorter than this, owing to a skylight extending across the rear of the ground floor. Except for this skylight and for a smaller one in the roof the building is lighted entirely from front and rear. There are three full stories and a basement, besides a partial fourth story, occupied only by an apartment for the janitor.

The entrance is at the right side, and the main stairways are confined to the adjoining corner of the building, being broken into half-story flights running alternately in opposite directions. The entrance is at the ground level, and from it a half-flight leads directly up to the main floor, while another affords access to the basement.

The principal feature of this basement floor is an assembly room 62 x 29 feet, which will be used for meetings connected with the work of the Library, and possibly also for a newspaper reading-room during part of the day. This is the first branch building containing such a room to be erected in this city. Besides the assembly room the basement contains a receiving and packing room 24 x 10 feet, a boiler-room 16 x 20 feet, a men's lavatory, and a lobby 16 feet square, into

which open a book lift that communicates with all the upper floors and a dumbwaiter that runs only to the janitor's floor. Adjoining this lobby is the men's lavatory.

The main floor is occupied entirely by the children's room, which will be used chiefly for the work of circulation, but also to some extent for reading purposes. The vestibule and stairways take up a space 16 x 25 feet in one corner of the front, and there is also a rear stairway that leads directly to the packing-room, but the entire remainder of the floor, which will be unbroken by partitions, will be available for the children's work.

On the second floor is the adult's circulating department, which will also occupy the whole floor, with the exception of the stairways, a women's lavatory  $7 \times 12$  feet, and a projection  $6 \times 4$  feet from one of the side walls, through which run the lifts and flues.

On the third floor is located the general reading-room and also a lunch-room and retiring-room for the library staff, with lavatory. This occupies a space 16 feet square in one of the rear corners of the floor, and adjoining it is the stairway leading to the janitor's apartment.

To these latter is devoted a space 14 feet wide and extending across the rear of the building, with a projection 15 x 16 feet. The whole apartment is practically situated on the roof of the building and will not be visible from the street. It includes three bed-rooms, a sitting-room, kitchen and bath-room.

The whole building is of the most substantial and approved fireproof construction. It will be lighted by electricity and heated by hot water on a combination of the direct and indirect systems. Contracts have not yet been made for the equipment of the building, but it is expected that the furniture and fittings will be similar to those of the Yorkville building, and will include the usual charging desks for the circulating work and tables and chairs for reading. The shelving will be confined to the walls as much as possible, and in any case there will be nothing in the nature of a stack-room, as these branch libraries are not to be storehouses for books, but rather depositories for collections of such standard and current literature as is most in demand for home use. By shelving the walls and placing reading-tables in the adjoining open space the reader is brought into more direct contact with the books, greatly to his convenience and comfort.

It will not be necessary to organize a new branch library for this building, as the Chatham Square branch has been doing good work for several years in a rented building nearly opposite the new site, where it was established in 1899. On the completion of the new building, which should be ready in the summer of next year, the staff, and work of the branch will simply be moved across the street, where, it it is expected, it will go on with increased usefulness to the locality.

## BASEMENT PLAN.

CHATHAM SQUARE BRANCH—NEW YORK PUBLIC LIBRARY. (CARNEGIE BUILDING No. 2.)

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FOURTH FLOOR PLAN.

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# REPORT OF THE DIRECTOR

FOR THE YEAR ENDING JUNE 30, 1902.

July 1, 1902.

Hon. JOHN BIGELOW,

President, New York Public Library.

SIR:

I have the honor to submit the following report of the work of this Library for the fiscal year ending June 30, 1902:

By act of the Legislature, approved Feb. 7, 1902 (Chapter 21 of laws of 1902), the number of Trustees was increased from twenty-one to twenty-five, and the Mayor, Comptroller, and President of the Board of Aldermen of the City were made, ex officio, members of the Board of Trustees. Mr. Daniel Huntington, one of the trustees of the Lenox Library previous to its incorporation with the New York Public Library, resigned December 11, 1901; and in January, 1902, Mr. Andrew Carnegie was elected a trustee to fill the vacancy thus caused. In April, 1902, Mr. J. Pierpont Morgan was elected as a member of the Board of Trustees. Mr. George L. Rives, having accepted the office of Corporation Counsel of the City, resigned his position as Secretary of the Board, and in January, 1902, Mr. Charles Howland Russell was elected Secretary in his place.

### NEW BUILDING.

The contract for the erection of the new building, including mason work, marble, roofing, steel construction and fireproofing was executed by the Municipal authorities with the firm of Norcross Brothers on August 26, 1901, the time limited for completion being three years.

Little was done until the Appellate Division of the Supreme Court acted on the appeal from the decision refusing an injunction against the breaking the contract with Norcross Brothers, which appeal was denied by decision of the Court, Nov. 15, 1901.

Modelling and draughtsmen's sheds were erected on the grounds, and the work of making models on the large scale has made good progress. In May, 1902, a full-sized model of two of the columns on the Fifth Avenue front, with their bases, capitals, etc., was set up in place, to enable the architects to judge as to the proper proportions of the several parts and at the same time to give the public some idea as to the character of the proposed building. The quarrying of the marble to be used has made suf-

ficient progress to show that stone of excellent quality will be produced, but no marble has yet been delivered at the building site. About three million of bricks have been laid on interior walls. The legal complications in connection with contracts have caused a delay of about six months.

### CARNEGIE LIBRARY BUILDINGS.

The contract with the City providing for the acquisition by the City of sites for Carnegie Library Buildings having been duly executed on July 17th, 1901, the Trustees requested three prominent architects in the City, namely, Messrs. Charles F. McKim, Walter Cook, and John M. Carrère to act as an advisory committee on the question of procuring plans. On September 30th, 1901, this committee recommended that the branch libraries should be built on a distinctive type with as much uniformity in the design, materials, and general character as is consistent with such variations as are bound to exist. They recommended that a Board of Architects be selected by the Trustees, to consist of not less than two, and in any case not more than five, architects, and that the designing of the buildings and the supervision of their construction be entrusted by allotment to the individual members of this Board. In accordance with these recommendations, on November 7th, 1901, an agreement was made with three firms of architects in New York-namely, Babb, Cook & Willard; Carrère & Hastings, and McKim, Mead & White-whereby the said firms were employed to prepare plans and specifications for the branch library buildings on sites to be provided or approved by the City of New York, to be erected and equipped at the expense of Mr. Andrew Carnegie.

In this agreement it was provided that the designing of each of these buildings shall be separately entrusted by allotment to one of the three firms of architects, and that the architects shall act in collaboration and as an Advisory Board to the Trustees in all matters pertaining to the erection of any of the branch library buildings, and that the plans for any or all of the buildings are to be approved in writing by a majority of the Advisory Board. The first Carnegie Library Building, on East Seventy-ninth Street, between Second and Third Avenues, was erected on a plot of ground belonging to the Library, and approved as a proper site by the Board of Estimate and Apportionment. The plans and designs for this building were made by Mr. James Brown Lord, who had had the work in hand before the New York Free Circulating Library was consolidated with the New York Public Library. Mr. Lord consulted with the Advisory Board of Architects with regard to the design of the building, which was finally completed in accordance with the general scheme of design approved by

the Advisory Board, and the contract with Isaac A. Hopper & Son for its construction, in accordance with the approved plans and specifications, was signed on the 15th February, 1902.

The Committee on Circulation having reported on the suitability of certain sites for branch libraries, and the Executive Committee having approved of the sites proposed, on November 4th, 1901, a communication was addressed to the Mayor of the City of New York stating the urgent need that certain sites be determined upon, and recommending certain general locations and three definite sites which should be obtained at once for these buildings.

It was impossible to secure consideration of the question of Library sites during the final days of the last administration, and when the new administration came into office, in 1902, other matters seemed of more importance. On February 10th, 1902, a letter was addressed to the Mayor, calling attention to the agreement in respect to these sites and to the communications already addressed to the City recommending certain sites. On March 7th, 1902, the Board of Estimate and Apportionment took up the question of sites, giving public hearings in regard to this matter. A report of the City Engineer, dated November 29th, 1901, was thereupon for the first time made public, in which the sites previously recommended were criticised and the prices asked considered excessive. The whole question was then referred to a Committee of the Board of Estimate and Apportionment, consisting of the following, namely:

President of the Board of Aldermen, Mr. Fornes; President of the Borough of Manhattan, Mr. Cantor;

President of the Borough of The Bronx, Mr. Haffen;

and the Executive Committee appointed a sub-committee to confer with them in regard to the subject.

The question of sites in the Borough of Richmond having been brought up, the Board of Trustees on December 11th, 1901, invited the following residents of the Borough:

Messrs. George Cromwell (President of the Borough),
John M. Carrère,
Gugy Æ. Irving,
A. K. Johnson,
Walter C. Kerr,
Ira K. Morris,
De Witt Stafford,

to act as an Advisory Committee to consider and report upon the situation in Richmond, and especially as to the recommendation of the Committee

on Circulation to arrange for additional branch libraries in the Borough of Richmond.

On February 7th, the report of the Advisory Committee on Richmond was received, in which it was recommended that one large library at St. George and five smaller libraries in localities mentioned be obtained in the Borough of Richmond. This report was generally approved, and steps were taken to secure the consent of Mr. Carnegie and the City Authorities to an increase in the number of sites under the contract.

On March 26th, 1902, an amendatory agreement was entered into by the Trustees and the City of New York by which the number of sites permitted to be selected for Carnegie Libraries was increased from not to exceed 42 to not to exceed 50, in order to provide for additional libraries in the Borough of Richmond and in the Bronx, and this was approved by Mr. Carnegie.

On May 23rd, 1902, action was taken by the Board of Estimate and Apportionment, authorizing the purchase of Site No. 4 at 140th street and Alexander avenue in the Bronx. The Comptroller was given power to negotiate for the purchase of sites at 176th street and Washington avenue and 190-192 Amsterdam avenue, and condemnation proceedings were authorized for property at Amsterdam avenue, between 84th and 85th streets, and at Nos. 224-6 East 125th street. On June 6th, 1902, the Board of Estimate and Apportionment approved the purchase of site Nos. 31-33 East Broadway at a price which had finally been agreed upon, and at that time the general localities for sites Nos. 2 to 18 inclusive (excepting those sites to be located in Richmond) were approved. It was referred to the Comptroller to purchase such properties in each locality as might be recommended to him by the Board of Trustees.

On June 6, 1902, the Board authorized an issue of bonds for \$250,000.00, to be used for the purchase of library sites, about \$200,000.00 of which might be made available for the purchase of sites in the Boroughs of Manhattan, The Bronx, and Richmond.

It will be seen from this that at the end of the fiscal year the only site which had actually been obtained was that on 79th street for the Yorkville branch; but the purchase of two others had been authorized, eight sites had been agreed upon, ten other sites had been approximately selected, and plans were in course of preparation.

### CIRCULATION DEPARTMENT.

During the year two libraries have consolidated with this Library under the provisions of Chapter 57 of the Laws of 1901 of the State of New York, viz.: the St. Agnes Free Library, now our St. Agnes branch, on

August 1st, 1901, and the Washington Heights Free Library, now our Washington Heights branch, on December 1, 1901. The St. Agnes library added 10,027 volumes, and the Washington Heights library 19,425 volumes, to the stock of the Department; and the latter also brought with it a fine building erected a few years ago. The working staffs of these libraries were continued, and but slight change in their methods was required to secure uniformity.

The four reading rooms that had been opened in public school buildings as stated in my last report, were closed at the end of the year 1901, owing to lack of funds by which the Board of Education could continue their support. The books and periodicals in these reading rooms—being the property of the Library—were distributed among the branch libraries for circulation.

The employees of the Department were re-classified in April, and are now divided into six grades, of which the highest consists of librarians-incharge of branch libraries and the lowest of unpaid apprentices. The number in each grade, except the two lowest, is limited. Passage of an examination is necessary for promotion and confers eligibility; but the promotion itself is conditioned on the existence of a vacancy in the higher grade. Examinations under these new rules were held in May, 1902. Two classes of apprentices, to serve six months each, were admitted by examination during the year, one on October 8, 1901, and one on March 25, 1902. The former graduated fourteen members unconditionally and six conditionally. In the second, which is still serving, there are nine members. Beginning with October next, the term of apprenticeship is to be lengthened to nine months, or practically a school year.

The work done by the Department shows an increase over that of last year, as will be seen by the statistical tables. In these tables the circulation of the new branches is taken into account only since the respective dates of consolidation. If the year's work of all our present branches be considered, it will be found to include a home use of 2,014,653, as against 1,862,968 for the preceding year—an increase of 151,685. Of this increase 99,920 is due to the Travelling Libraries alone, which circulated 248,791 volumes. The number of distributing agencies this year was 202, as against 156 last year. Their diversity can be appreciated only by glancing at the list of them printed on another page. As our work will soon be extended to the Boroughs of the Bronx and Richmond, where the territory is too large to be thickly covered with regular branch libraries, it is believed that considerable parts of those Boroughs must be served through travelling libraries.

The number of books lost by theft during the year in the Circulation

Department is very large, as is the case in all open-shelf libraries. The total number reported missing at the monthly partial inventories during the year at the fourteen branches was 3,480. A large number of these missing books are only replaced or mislaid, but this report doubtless represents a permanent loss of at least 2,000. Thus the annual loss from theft is one per cent. of the total number of volumes on the shelves and one-tenth of one per cent. of those circulated. Of the total expenditures of the Department, about 1.3 per cent. is for replacement of stolen books, and nearly 12 per cent. of the book appropriation is so expended.

The total number of books now in the Department, including missing books in course of replacement, is 218,818, of which 15,986 volumes, new in their respective branches, were added during the year. The titles in each branch duplicate those in the others to a considerable extent; thus, the whole number of titles in the Department is only 43,000. Of the thirteen branch libraries now included in the Department, six occupy their own buildings, while seven are in rented quarters. In all cases but one the leases for these have been renewed during the year. The Riverside Branch was obliged, in December, 1901, to leave its quarters at 261 West 69th Street owing to the sale of the building, and removed to 230 Amsterdam Avenue. This building was torn down in the following March, which necessitated a second removal, this time to 116 West 65th Street. As this building was incomplete, the branch was closed for a month, and the new rooms were not occupied until April, circulation being resumed on May 12th.

# CENTRAL REFERENCE LIBRARY.

### SHELF DEPARTMENT.

During the fiscal year the number of volumes received by the Shelf Department, entered on the accession catalogue, and placed on the shelves, was 32,224, of which 15,760 were purchases and 16,464 gifts. The number of pamphlets accessioned during the same period was 24,317, of which 6,754 were purchases and 17,563 gifts.

The number of volumes and pamphlets actually received at the Library during the year was as follows: 33,741 volumes, of which 12,951 were purchases, 18,178 were gifts, and 2,612 were exchanges; pamphlets, 128,270, of which 5,969 were purchases, 54,070 were gifts, and 68,231 were exchanges. During the year 2,834 volumes and 15,126 pamphlets—duplicates—were sent out in exchange, and over 2,000 volumes and 2,000 pamphlets—United States documents—were returned to the Superintendent of Documents.

The total number of volumes on the shelves and available for use at the end of June, 1902, was 571,081, and of pamphlets 206,687.

19,631 volumes and 2,812 pamphlets were reclassified, the following sections being finished: astronomy, classical literature, general geography, African history and geography, art, applied art, costume, numismatics, etc., history of the Netherlands, Scandinavia, Switzerland, genealogy, Egyptology, occult science; work was begun or continued on the following: theology, Church history, etc., philology, Sanskrit, bibliography, law (at the Lenox branch). 6,844 bookseller's catalogues were arranged and grouped according to the sellers' names, besides the many catalogues sent to the shelves for the bibliography of various subjects.

There were bound for the Library 6,634 volumes (including 885 volumes repaired outside of the Library, not including about 1,000 volumes bound abroad before importation); and the Library bindery repaired 938 volumes, mounted 30 maps, and made 1 portfolio. 4,171 volumes were tied up in manila paper and 7,187 volumes were lettered and labelled, of which 1,206 were lettered by apprentices; 2,549 pamphlets were stapled or sewed to hold stiff paper covers. New shelving was added to the amount of 4,258 feet.

### CATALOGUE DEPARTMENT.

During the year there were catalogued 46,788 volumes and 27,474 pamphlets, for which purpose there were written 111,149 cards and 8,964 slips for the printer, from each of which slips five cards on an average were obtained. Also 23,564 card-slips were written for the copying machine, from which 110,326 cards were run off. At the end of June, 1902, the index catalogue contained about 675,250 cards. The separate catalogues contain cards as follows: General, 237,715; Documents, 130,000; Serial, 38,265; Report, 18,675; Railroad, 6,915; Hebrew, 18,750; Oriental, 4,520; Russian, 6,420. The card catalogues in the two reading rooms at the Lenox Building contained 207,970 cards (132,710 in the general reading room, 43,700 in the music catalogue, and 31,560 in the catalogue of genealogies and local histories); in addition to the above, the catalogue of manuscripts contains 24,200 cards, of maps 23,870 cards, of Americana 29,410 cards, of prints 8,276 cards.

Revision of the index catalogue in the reading room was continued, the following groups with their related subjects having been taken up: astronomy, geodesy, time, etc.; dairies and dairying; electricity; geography; government, political science, and constitutional law; India; insurance; lighting; marriage and divorce; municipal government; photography; pottery; prices; shorthand; statistics; taxation; tobacco; George Washington; wages.

There remained unsearched and uncatalogued in the Astor Building 600 volumes, 33,000 pamphlets, 400 pamphlet volumes, mostly of religious matter.

In the Lenox Building the cataloguing of the following topics was taken up and finished: English literature, French history, fine arts, and constitutional and international law. There remain in the Lenox Building to be catalogued: sociology and economics, 5,300 volumes; religion, 5,700; science and technology, 3,500; European histories, with the exception of English, French, and ancient histories, 858; general literature, 1,500.

The number of periodicals indexed is 1,240, an increase of 115 in the year; in addition 37 periodicals are indexed for the A. L. A. co-operative work. The total number of cards written for the New York Public Library indexing was 18,214; the total number of titles written for co-operative indexing, 775, two printed cards being received for each title; and the total number of index cards added to the catalogue was 19,764.

# READERS' DEPARTMENT.

During the year the number of readers and visitors who visited the two reference library buildings was 165,011, the Astor having received 111,199, and the Lenox 53,812. This is an increase of about 21,039 readers over the previous year, the increase being 9,510 at the Astor Branch, and 11,529 at the Lenox. The daily average of readers was 451, or 358 at the Astor and 93 at the Lenox. The largest number in any one month was in March and the smallest in July, as has been the case in previous years.

The total number of volumes and periodicals issued to readers in both buildings during the twelve months, not including the use made of the open reference shelves, was 411,883. The figures for this item in 1900-01 were 605,487; the apparent decrease is due, however, to a change in the methods of keeping statistics in the Astor Branch. Of the 351,228 volumes called for at the Astor, the largest number, 60,309, or 17 per cent., belonged to English literature; 56,847, or 16 per cent., belonged to applied science; 45,290, or 12 per cent., belonged to law, economics, sociology, and education; 37,372, or 10.6 per cent., related to the literature of Europe. The total number of volumes given out at the Lenox Building was 60,655, of which 33,366 related to genealogy and 5,382 to music. Tables are appended showing in detail by months the statistics of readers and the character of the books called for at the Astor and the Lenox Buildings.

## PERIODICAL DEPARTMENT.

The total number of readers of current periodicals in the periodical department during the fiscal year was 23,640, being a daily average of 76. In addition to the journals contained on the open reference shelves, 226,396 numbers of current periodicals were called for, being a daily average of 730. The total number of periodicals received at this date is 4,495, of which

941 are gifts, and 158 exchanges for the Bulletin. In addition to these the Library received by purchase 621 annual publications, and by gift 5,495 annual publications. The average of separate numbers of periodicals (excluding annuals) received daily is 280, the total number for the year being 86,800. This includes 58 daily papers, 600 weeklies, 154 semimonthlies, 1,254 monthlies, 163 bi-monthlies, 517 quarterlies, 71 semiannuals, and 909 of irregular period of publication. In addition, 925 document serials (421 foreign and 504 domestic) are included in the report of the document department. In exchange for the Bulletin the Library receives a total of 395 periodicals, an increase of 41 for the year; of these 164 are American annual publications and 73 foreign annuals, and 126 American and 32 foreign periodicals of greater frequence of publication than annually. A table (III) is appended giving the statistics of periodicals received by countries. 2,865 volumes of old periodicals were added to the Library during the year, completing important files.

### DOCUMENT DEPARTMENT.

During the year there were received of public documents 10,829 volumes, 4,392 pamphlets, 25,668 pieces of serials; there were catalogued 16,850 volumes, 5,400 pamphlets, for which were written 6,891 cards, and 6,666 slips for the printer or the copying machine. The most extensive additions were made to the collection of American municipal documents; sets of collected modern documents of several American States were completed, notably those of Maine, Massachusetts, New Jersey, Indiana, and Pennsylvania. In foreign documents the additions to the official newspapers and government handbooks, and the proceedings of Australasian countries, of Italy, and of France have been considerable; documents of the latter country, secured from the library of the late Jules Simon, included important financial reports and reports of special inquiry commissions.

Preliminary work on the index to United States documents relating to foreign affairs has been completed, a total number of 45,000 cards having been written to cover the period from 1810 to 1896. This preliminary work is now in process of revision in preparation for printing.

### SEMITIC DEPARTMENT.

The accessions to this department during the year amounted to 950 volumes and 350 pamphlets, the great majority of which were the gift of Mr. Jacob H. Schiff. The Hebrew section of this department now contains over 11,000 books and pamphlets, including books in the Hebrew language and in the various Jewish dialects on all subjects, and also works relating to Jewish history in all languages. Over three-fourths of this

collection has been presented by Mr. Schiff. It includes a valuable collection of over 1,000 volumes of Jewish periodicals, a list of which has been printed in the *Bulletin*, and its special catalogue contains over 16,000 cards. The collection is much used, about 30,000 volumes and pamphlets from it having been called for by readers during the year.

### SLAVONIC DEPARTMENT.

The accessions amounted to 1,560 volumes, bringing the total in the department to 4,721 volumes. The number of volumes catalogued was 1,598, for which 5,919 cards were written, the catalogue of the department now containing 6,420 cards. The number of readers averaged 231 per month.

Among the important gifts were a collection of the publications of the "Society for the promotion of culture among the Jews of Russia," and many publications of B. D. Grinchenko of Chernigov, Russia. By purchase important additions were made to the files of the Russian periodicals "Vyestnik Yevropy," "Otechestvennyya Zapiski," "Russki Vyestnik," "Mysl" and others.

### BULLETIN.

Volume V. of the Bulletin, for 1901, contained 490 pages, an increase of 74 pages over 1900. Of the check lists printed between July, 1901, and June, 1902, worthy of special note, were the list of manuscript collections in the Library (July); lists of American county and state histories (November); list of foreign government documents on finance (December); a series of lists of works relating to Brooklyn similar in plan and scope to those relating to New York City printed in January-December, 1901, comprising general municipal documents, newspapers (January), finance and commerce, churches, libraries, schools, clubs, charities and missions, hospitals (February), history of Brooklyn, maps, directories, cemeteries, public health, parks, fire department, water supply (March); a series of lists of works on prices (April), value, wages, corn laws (May); a list of Russian and other Slavonic periodicals (June). The issue for August, 1901, contained the text of an interesting letter from Robert Fulton to Bonaparte, dated May 1, 1798, urging the adoption by France of a system of canals and a general policy of free trade; further selections of letters of James Monroe were given in September and November, 1901, and June, 1902; nine letters from Edgar Allan Poe to E. A. Duyckinck in 1845-49 were printed in January, 1902, and in the same issue was printed a calendar of the Barbour papers relating to national and Virginia politics between 1811 and 1841

### EXCHANGES.

During the year there were received by the Library on exchange account 2,612 volumes and 68,231 pamphlets, and there were sent out duplicates in exchange to the number of 2,834 volumes and 15,126 pamphlets. In exchange for the *Bulletin* there were received 126 American and 32 foreign periodicals (total, 158), and in addition 164 American and 73 foreign (total, 237) annual publications, and 124 separate volumes, all of which latter have been credited as gifts in the statistics of volumes and pamphlets actually received during the year.

# PRINT DEPARTMENT.

The number of prints accessioned during the year was 12,612. The print room was visited by 801 persons for the purpose of consulting prints; the visitors to picture galleries numbered 33,240, of whom 13,294 examined the prints in the exhibition cases. 108 letters were written in answer to queries from readers, 34 volumes were sent to the general reading room for the use of readers, 25 volumes were catalogued, 83 cards and 82 slips were written, and 246 cards schapirographed, 104 prints were mounted in the library, and about 6,700 newspaper clippings were distributed in their proper groups, if of interest in connection with the department, or were turned over to the general library. Through the courtesy of Mr. Avery 255 mat openings were cut by an outside workman.

In July "A handbook of the S. P. Avery collection of prints and art books in the New York Public Library" was printed and placed on sale at the price of fifty cents. This is a volume of 84 pages, containing, after an "introductory statement," the rules of the print room, a catalogue of the etchings, lithographs, photographs, miscellaneous prints, arranged alphabetically according to the engraver's name, and showing the number of prints by each. The catalogue of books in the collection is divided into five sections: art and artists in general, prints in general, etching, lithography, individual artists and their works; it is accompanied by two halftone cuts of the print room and the exhibition gallery.

Exhibitions at the Lenox branch were as follows: July to September, portraits chosen primarily for their artistic quality; October to December, a loan exhibition of the work of Rembrandt, from the J. Pierpont Morgan collection; January to March 17, engravings by Fantin-Latour and by Egusquiza; from March 18, work of Dante Gabriel Rossetti; during the year a portion of the Japanese prints has remained on exhibition. At the Astor branch the art-forms in nature were partially replaced in July by photographs of views in the Philippine Islands; in October part of the

artistic portraits were sent down from the Lenox exhibit just closed; in January were shown plates from Migeon's "Treasures and masterpieces of art at the Paris Exposition" of 1900, given by Mrs. Henry Draper, and Chinese prints of the Boxer uprising given by Dr. J. O. Skinner; these gave place in March to a selection of the Fantin-Latour and Egusquiza prints, and the latter in turn were replaced in May by plates from Hirth's "Formenschatz." In November and February wood engravings and etchings by Haden from the Avery collection were loaned for exhibitions at the Grolier Club.

Mr. Avery continued his gifts through the year; particular mention should be made of his additions to the Turner, Whistler, Rossetti material, of two volumes of etchings by Goya, of 33 volumes of engravings by Chodowiecki, of 300 plates of F. Lippman's phototype reproductions of "Original drawings by Rembrandt." Mr. Charles Sedelmeyer, of Paris, gave the five volumes already published of Wilhelm Bode and C. Hofstede de Groot's "Complete work of Rembrandt," with the promise of future volumes as issued, to be credited to the Avery collection. R. Swain Gifford gave seven etchings by himself, L. M. Yale 34 of his etchings, Dr. J. O. Skinner 5 Chinese wood engravings; in addition to those above noted there were, of course, other gifts from various sources.

### IMPORTANT GIFTS.

Mr. Avery has continued his gifts of prints and of books of a general nature, Mr. Cadwalader has made important accessions to the sports collection, and Mr. Maitland to the Americana. In addition to the many general works given by Mrs. Henry Draper, mention should be made of her gift of Goupil's "Treasures and masterpieces of art at the Paris Universal Exposition" of 1900, and of some 500 volumes of American, English and Continental literary annuals.

Important gifts have been received from the New York Times, Tribune, Evening Post, Sun, daily newspapers; and from the Churchman, Christian Herald, Literary Digest, American Agriculturist, weekly newspapers; and from the Methodist Library through Rev. J. C. Thomas, its librarian. From Cooper Union have been received broken files of over forty daily and weekly newspapers published in this country and abroad.

Official publications of interest have been sent in from the Argentine Republic, Australia, Barbados, Boulogne, Bordeaux, Cuba, Denmark, Dresden, Gold Coast Colony, India, Italy, Jamaica, Japan, Lisbon, Madagascar, Moscow, Newfoundland, Nova Scotia, Netherlands, Peru, Russia, Trieste and elsewhere. Major S. T. Armstrong, the Century Association,

the Earl of Crawford and Balcarres, Mr. Worthington C. Ford, B. D. Grinchenko, of Chernigov, Russia, the Long Island Historical Society, the Duc de Loubat, Mr. Eliot Norton, Mrs. Penfield, Messrs. H. V. and H. W. Poor, Mr. Leonard E. Opdyke, Mr. E. Schernikow, Mr. Charles Sedelmeyer, of Paris, should be mentioned as givers of works of particular interest.

In December the George W. Curtis Memorial Association presented a bronze bust of George William Curtis by J. Q. A. Ward. A valuable collection of reports relating to the African colonization of American negroes was given by the New York Colonization Society in March; and nearly 300 volumes of historical fiction in German were given by Mr. George Fischer in January.

The two largest collections received by gift during the year are the Sterne collection, consisting of 2,375 volumes and 2,442 pamphlets, relating mainly to economics, from the library of the late Simon Sterne; and the Library Americana given by Mr. Henry Baldwin, of New Haven, Connecticut, including about 1,000 bound volumes, 5,000 pamphlets and a large quantity of odd numbers of magazines and newspapers, a series of scrapbooks relating to such matters as the Chile-Peru war, the Presidential election of 1884, the Spanish-American war, and much material in the form of manuscript letters, pamphlets, clippings, etc., relating to the various nativistic orders and organizations that have from time to time been formed in this country.

As stated in my last report, the fund available for purchase of books for the reference department is not more than half the amount required to keep it up to date, and the selection for purchase has continued to be made in accordance with the rules stated in that report. The most urgent demands upon the library are for works in applied science, in political science, and the industrial arts, in American and English history, and for public records and documents, and serials of all kinds, and these demands have been met as far as possible. Special endowments for the departments of Art, Music, Education, and European History and Literature are much needed; at present our accessions in these departments are very few in number.

The Library staff have done good work throughout the year, and I take great pleasure in acknowledging the cordial co-operation of the chiefs of the several departments to secure the best results.

Very respectfully,

J. S. BILLINGS,

Director.

TABLE 1.

STATISTICS OF READERS AND VOLUMES CONSULTED.

LENOX, 1901-1909.

	JULY,	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN,	FKB.	жсн,	APR	MAY.	JUNE.	TOTALS
	46	78	4	72	102	0€	107	4	75	45	\$	\$	752
	382	331	259	379	633	745	\$04	472	489	\$03	439	336	\$,47I
	901	181	115	251	61 50 61	152	239	232	366	273	171	193	2,431
	9	â	214	84	20	80	153	45	8:	22	16	αŗ	978
	\$\$	101	124	134	183	147	142	267	222	8	175	227	1,872
	123	259	121	244	25.2	197	232	343	318	376	369	239	3,073
	35	36	36	67	99	쟓	113	8	22	73	43	6	722
	80	\$	19	35	\$	78	78	89	8	7	49	53	676
	85	107	57	133	65	60 47	124	143	142	8	114	187	1,337
	157	8	142	312	192	512	308	225	200	167	98	170	2,882
	611	27	3	19	6	80	60 H	61	6I	60	41	37	319
	196	65	117	135	177	103	104	145	127	101	\$	30	1,394
	1,239	1,972	1,547	2,530	3,711	2,668	3,241	3,710	3,491	3,624	3,153	2,480	33,366
	316	236	362	352	346	556	739	421	265	919	440	105	5,382
Total no. of volumes consulted by desk applicants	2,926	3,565	3,181	4.711	6,104	5,469	6, 102	6, 222	6,488	6,016	5,298	4.574	60,655
Total no. of readers, desk applicants	999	678	707	1,108	1,210	1,027	1,247	1,158	1,472	1,219	1,064	416	12,473
Total no. of readers	1,268	1,754	1,732	2,470	2,633	2,612	2,927	2,581	3,091	2,806	2,566	2,064	28,504
Total no, of readers and visitors,	2,702	2,693	3,598	5,846	5,958	4,807	5,302	4,330	5,869	5,090	4,361	3,356	53,812
Total no. of visitors to art galleries	686	1,247	3,043	3,784	3,946	3,041	3.317	2,560	3,700	3,451	2,575	1,587	33,240

TABLE II.

STATISTICS OF READERS AND OF VOLUMES CONSULTED.
ASTOR, 1901-1902.

	JULY.	AUG.	SEPT.	ocr.	NOV.	DEC.	JAN.	FEB.	MARCH.	APRIL.	MAY.	JUNE.	TOTALS.
General Works	1,357	925	693	1,277	1,319	1,582	I,454	1,458	1,636	1,722	1,683	1,404	16,510
History (American)	1,431	1,975	2,772	2,826	2,062	1,426	1,840	1,537	2,175	2,105	1,517	1,550	23,216
History (European)	2,369	2,337	1,828	2,480	2,385	1,951	2,279	2,175	2,446	2,493	2,147	1,938	26,828
Geography	359	319	764	383	324	268	285	285	370	508	472	451	4,788
Art, Archæology, Architect-ure, Music	2,097	1,974	1,743	1,337	1,364	1,590	1,867	1,704	1,982	1,551	1,854	1,606	20,669
Literature (English and Amer-	3,911	4,878	4,453	5,224	4,885	5,258	5,663	5,736	9,000	5,546	4,838	3,917	60,309
Literature (European)	4,107	3,816	2,328	2,886	3,568	3,060	3,656	2,665	2,865	2,816	2,931	2,674	37.372
Science	1,296	1,633	1,469	1,288	1,428	1,276	1,126	1,273	1,414	1,342	1,762	1,448	16,755
Science (Applied)	5,143	4,950	4,036	4,531	4,831	4,663	6,085	4,666	4,695	5,230	4,082	3,935	56,847
Law, Economics, Sociology, Education	3,957	3,861	3,150	3,863	3,728	3,212	3,948	4,063	4.377	4,143	3,388	3,600	45,290
Orientalia	545	643	177	630	159	584	54	619	578	443	540	408	6,955
Religion and Philosophy	3,418	2,047	1,996	3,340	3,495	2,622	3,176	3,154	3,365	2,820	3,247	3,009	35,689
Total no. of volumes consulted by desk applicants	29,990	29,358	26,003	30,065	30,040	27,492	31,923	29,335	31,903	30,718	28,461	25,940	351,228
Total no. of readers, desk aplicants	6,478	7,111	6,667	8,263	8,936	9,975	9,943	8,851	9,733	8,554	8,173	7,194	99,878
Total no. of readers.	6,946	8,525	7,719	9,721	9,743	10,066	10,510	9,629	10,858	10,411	9,362	7,709	111,199

TABLE III.

TABLE SHOWING NUMBER OF PERIODICALS RECEIVED, WITH DISTINCTION OF COUNTRY AND FREQUENCY OF PUBLICATION, AND NUMBER OBTAINED BY PURCHASE OR BY GIFT.

4,493 4,495 517 71 521 8 ī હ TOTAL. 158 Kxchange. ī Gitt. 3396 Ритсраве. NOT SORTED 621 ž Purchase. Gift. Exchange. MISCELLA-'n 0 Кхс<del>рапge</del> 39 4 - 8 5 3 32 I - 45 2 I **æ** Purchase. Gift, SSIW2 2 'n 8 Purchase. Gift. Exchange 8 SPANISH. Purchase. Gift. Exchange NWERICAN. 9 3 × Gift. Exchange NVAIVN' SCVNDI-\$ H • 2 Purchase. Exchange. Department, 1901-1908. e RUSSIAN. 8 Gift. 2 5 Ритсраве. Exchange Gitt 2 MEXICVN. - 57 1 28 Ригсраве. Purchase. Gift, Exchange ដ JAPANESE. Purchase. Gift. Exchange CKEEK. 'n Exchange. Gitt. ротсн. \$ - 40 3 8 Ритсраве. Purchase. Gift. Exchange CHINESE' 16 2 54 2 - 2 I • Reference Gift. Exchange. 8 BELGIAN. 3 2 2 13 Purchase. **Exchange** 130 æ 00 Gift. ITALIAN. 112 Ригсраве. ø 8 8 Exchange. 12 'n 3 GERMAN. Gitt. 815 2 8 Ригсразе. 8 3 ğ Exchange ŧ 3 FRENCH. Gift. 23 Ритсраве. 25 ଝ \$ 11 8 12 8 Exchange. 2 9 é 519 2 27 Gitt. BRITISH. Ритсраве. \$ a • 85 S 5 8 433 m \$ 126 Exchange. 2 22 1,50 173 8 2 352 11 8 110 VMERICVN. Gitt. Ритсраве. 2 332 6 2 2 8 8 ğ of Publication in the Year. Irregularly Frequency Countries. Number Received. TOTAL. ह

The above table does not include annuals received by gift, 5,495, or by Bulletin exchange, 237.

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CIRCULATION OF BOOKS FOR HOME USE BY MONTH.

Circulation Department, 1901-1902. TABLE IV.

JUNE. TOTAL.	10,318 131,456	16,888 206,098	3,805 48,321	12,778 151,871	9,808 137,543	10,614 137,700	8,806 112,203		14,121 182,131				, , ,	, ,	, H H H	, , ,	, н н н <b>н</b>			
MAY.	10,965	18,346	4,301	14,757	11,171	11,543	9,874		15,300											
APRIL.	11,102	18,430	4,195	15,420	11,921	12,149	10,236		16,203											
MARCH.	11,951	19,235	4,237	13,361	12,723	12,672	10,634		17,800											
FEB.	10,659	17,304	4,067	12,098	11,631	11,596	9,424	15,612		5,662	5,662	5,662 15,760 5,421	5,662 15,760 5,421 15,831	5,662 15,760 5,421 15,831 12,148	5,662 15,760 5,421 15,831 12,148 8,672	5,662 15,760 5,421 15,831 12,148 8,672 18,422	5,662 15,760 5,421 15,831 12,148 8,672	5,662 15,760 5,421 15,831 12,148 8,672 18,422	5,662 15,760 5,421 15,831 12,148 8,672 18,422	5,662 15,760 5,421 15,831 12,148 8,672 18,422
JAN.	12,195	20,667	4,683	14,612	13,257	13,047	10,535	17,773		6,063	6,063	6,063 18,818 5,892	6,063 18,818 5,892 18,267	6,063 18,818 5,892 18,267 13,788	6,063 18,818 5,892 18,267 13,788 10,140	6,063 18,818 5,892 18,267 13,788 10,140	6,063 18,818 5,892 18,267 13,788 10,140	6,063 18,818 5,892 18,267 13,788 10,140	6,063 18,818 5,892 18,267 13,788 10,140	6,063 18,818 5,892 18,267 13,788 10,140
DEC.	12,099	18,993	4.270	13,604	12,315	12,217	9,326	16,374		4,384	4,384	4,384	4,384 17,847 5,424 17,040	4,384 17,847 5,424 17,040 13,163	4,384 17,847 5,424 17,040 13,163 8,150	4,384 17,847 5,424 17,040 13,163 8,150 16,188	4,384 17,847 5,424 17,040 13,163 8,150 16,188	4,384 17,847 5,424 17,040 13,163 8,150 16,188 220	4,384 17,847 5,424 17,040 13,163 8,150 16,188 220 39	4,384 17,847 5,424 17,040 13,163 8,150 16,188 220 220 39 148
NOV.	11,494	17,648	4,185	13,545	13,097	12,357	9,925	16,471		5,992	5,992	5,992 16,790 5,317	5,992 16,790 5,317 14,747	5,992 16,790 5,317 14,747 14,159	5,992 16,790 5,317 14,747 14,159	5, 992 16,790 5,317 14,747 14,159	5, 992 16, 790 5, 317 14, 747 14, 159 20, 310	5,992 16,790 5,317 14,747 14,159 20,310 429 50	5,992 16,790 5,317 14,747 14,159 20,310 429 50 50	5,992 16,790 5,317 14,747 14,159 20,310 429 50 50 549
ocr.	10,513	15,849	3,926	11,917	12,009	11,329	069'6	15,058		5,413	5,413	5,413 14,208 4,657	5,413 14,208 4,657 12,131	5,413 14,208 4,657 12,131 12,933	5,413 14,208 4,657 12,131 12,993	5,413 14,208 4,657 12,131 12,993	5,413 14,208 4,657 12,131 12,993 19,312	5,413 14,208 4,657 12,131 12,993 19,312 400	5,413 14,208 4,657 12,131 12,993 19,312 400 23	5,413 14,208 4,657 12,131 12,993 19,312 400 23 121 347
SEPT.	9,299	13,202	3,476	10,246	6,665	9,705	8,027	12,360		4,329	4,329	4,329	4,329 11,062 3,922 8,551	4,329 11,062 3,922 8,551 10,281	4,329 11,062 3,922 8,551 10,281	4,329 11,062 3,922 8,551 10,281	4,329 11,062 3,922 8,551 10,281 9,255	4,329 11,062 3,922 8,551 10,281 9,255 243	4,329 11,062 3,922 8,551 10,281 9,255 243 43	4,329 11,062 3,922 8,551 10,281 9,255 243 43 57
AUG.	10,732	14,933	3,714	10,376	9,797	10,446	8,077	12,810	_	4,391	4,391	4,391 12,380 4,133	4,391 12,380 4,133 9,847	4,391 12,380 4,133 9,847 10,168	4,391 12,380 4,133 9,847 10,168	4,391 12,380 4,133 9,847 10,168	4,391 12,380 4,133 9,847 10,168 29,014	4,391 12,380 4,133 9,847 10,168 29,014 241 56	4,391 12,380 4,133 9,847 10,168 29,014 241 56	4,391 12,380 4,133 9,847 10,168 29,014 241 56 63
JULY.	10,129	14,603	3,462	9,157	10,150	10,025	7,649	12,189		4,321	4,321	4,321 12,200 4,263	4,321 12,200 4,263 10,346	4,321 12,200 4,263 10,346	4,321 12,200 4,263 10,346	4,321 12,200 4,263 10,346 25,837	4,321 12,200 4,263 10,346 25,837	4,321 12,200 4,263 10,346 25,837 122 45	4,321 12,200 4,263 10,346 25,837 122 45	4,321 12,200 4,263 10,346 122 122 45 110
	Bond Street	Ottendorfer	" German*	George Bruce	Jackson Square	Harlem	Muhlenberg	Bloomingdale	Direcide	VIACISTACE TO THE TOTAL	Vorkville	Vorkville	Forkville	forkville	forkville	forkville	forkville	Yorkville	forkville	Yorkville

Included in previous line.
 Only from date of consolidation, Aug. 1, 1901.

# Only from date of consolidation, Dec. 1, 1901.

TABLE V.

CIRCULATION OF BOOKS FOR HOME USE BY CLASSES.

# Circulation Department, 1901-1908.

1,965,266	42,258	7 45 28,674	82 r69 53,144	94 275 169,645	94 275 107,838 169,645			221 06,333	_		
.a .		7	19	% 3		187	117	2 %		35	3.5
<u>~</u>		19	117	370	4	403	148	208	q	344	
-	4	3,890	3,905	69,802	1,723	13,57I	18,343	19,791	13,	29,124 13,	_
~	ă	534	1,125	1,621	1,285	3,821	1,969	8	2,209	2,624 2,2	
	2,1	1,644	2,562	3,944	6,382	7,334	2,980	5	3,707		
~	ā	4,26I	3,170	24,059	5,494	11,393	4,325	9	5,566	95'5 866'61	
-	ř	856	1,586	3,134	5,011	3,932	I,523	65	1,983	3,450 1,98	
-	12,5	2,357	6,518	11,649	11,594	9,792	4,368	_	4,908	9,258 4,908	
~	E.3	672	895	1,455	4,338	3,186	1,262	_	1,547	3,105 1,547	
-	4,6	2,703	5,030	7,285	16,481	9,837	4,610		6,275	7,847 6,27	
_	1,7:	1,060	2,090	2,888	6,958	5,268	3,033	90	3,468	3,756 3,46	
	4,1	1,692	4,727	7,392	8,445	8,327	4,113	•	3,660	7,146 3,66	
•	<del>6</del>	1,335	3,946	5,302	9,490	10,223	3,843	0	3,819	5,630 3,81	_
	.9'2	3,008	4,699	6,931	7,578	9,397	4,207	10	5,245	6,979 5,24	
_		22 g	699	483	21915	3,060	ogs	eq	35	721 54	
-	(448,31	3,513	6,108	11,519	15,498	14,835	4,725	_	5,299	12,222 5,29	
^	3.4:	2,037	6,396	11,899	7,568	12,077	3,537	0	4,329	11,097 4,329	
	ьовыем.	БИТГОЕОЪИЈ ВВГЈСТОМ	.RT#A	эсівисва"	PRRIODI-	-AMMELL -BAUT	TRAVEL		SHOORAPHY,	NISTORY,	

• Included in previous line.
• Distributed into classes both in this and the next line.

‡ Only from date of consolidation, Aug. r, 1901.

4 Only from date of consobdation, Dec. 1, 1901. I Discontinued Jan. 1, 1902.

TABLE VI.

HALL USE.

Circulation Department, 1901-1908.

	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH.	APRIL.	MAY.	JUNE.	TOTAL.
Bond Street	136	6t z	306	369	379	371	582	617	563	536	524	352	4,884
Ottendorfer,	372	558	513	859	1,418	1,033	1,225	1,189	1,138	831	725	657	10,518
George Bruce	1,277	1,260	1,440	2,122	2,189	2,253	2,763	2,412	2,793	2,572	2,983	2,438	26,502
Jackson Square	909	913	835	1,137	1,363	1,227	1,318	1,049	1,121	1,302	1,080	824	12,775
Harlem	511	619	455	874	931	932	1,371	1,249	1,012	1,115	982	1,026	11,077
Muhlenberg	1,963	2,612	2,211	3,227	2,971	1,785	1,974	2,123	2,303	1,929	2,001	1,971	27,070
Bloomingdale	788	918	1,000	1,423	1,504	1,734	1,874	1,448	1,410	1,328	1,329	1,059	15,815
9 Riverside	764	1,013	896	1,186	1,214	685	1,446	1,00,1	372	Closed.	717	887	10,253
Yorkville	169	119	906	1,412	1,084	848	810	885	1,071	1,128	1,279	1,654	12,319
34th Street	1,471	1,411	1,349	1,769	1,877	1,946	2,469	2,223	2,105	1,988	1,791	1,966	22,365
Chatham Square	185	195	418	1,027	1,108	888	903	1,073	767	773	667	445	8,449
*St. Agnes		1,103		1,662	1,936	1,770	2,070	1,614	1,589	1,349	1,267	1,281	15,641
+Washington Heights						2,610	1,787	1,233	1,079	1,441	1,149	850	10,149
‡Public School No. 160		195	272	437	463	229							1,596
‡Public School No. 33													
‡Public School No. 30			26	35	47	4							152
‡Public School No. 90			58	552	467	594							1,671
Total	8,704	11,657	10,657	18,091	18,951	18,949	20,592	18,116	17,323	16,292	16,494	15,410	191,236

· Only from date of consolidation, Aug. 1, 1901.

+ Only from date of consolidation, Dec. 1, 1001.

# Discontinued Jan. 1, 1902.

TABLE VII.

READING-ROOM ATTENDANCE.

Circulation Department, 1901-1908.

	JULY.	AUGUST.	SEPT.	ocr.	NOV.	DEC.	JAN.	FEB.	MARCH.	APRIL.	MAY.	JUNE.	TOTAL.
Bond Street	2,265	2,657	2,620	3,018	3,528	3,994	4,845	4,490	4,459	3,895	3,593	2,605	41,969
Ottendorfer	2,882	3,287	3,354	4,331	4,517	4,649	5,039	4,408	4,280	3,860	3,783	3,735	48,125
Jackson Square	1,597	1,728	1,594	2,175	3,028	3,060	3,380	2,717	2,738	2,602	2,075	1,792	28,486
Harlem.,	1,366	1,602	1,285	2,090	2,013	2,003	2,506	2,327	2,143	2,289	1,967	1,959	23,550
Bloomingdale	1,757	2,107	2,215	2,746	3,202	3,491	3,810	2,884	3,026	2,651	2,729	2,407	33,025
Riverside	166'1	2,355	2,311	2,853	2,975	1,541	3,370	2,491	<b>6</b> 6	Closed.	1,244	1,829	23,859
* Public School No. 160	3,569	3,983	4,328	5,640	5,652	5,490							28,662
* Public School No. 33	117	300	284	168	288	317							1,483
* Public School No. 30	219	111	113	262	484	392							1,587
* Public School No. 90	1,584	1,486	1,199	1,233	1,122	1,139							7,763
Total	17.347	19,631	1,9303	24,516	26,809	26,076	22,950	19,317	17,545	15,297	15,391	14,327	238,509

\* Discontinued January 1, 1902.

PERCENTAGE DISTRIBUTION OF VOLUMES CIRCULATED. TABLE VIII.

					City	Circulation	- 1	Department,	rtm	- 1	1901	1901-1908	જાં								
	PER	PERCENTAGE	1	ISTRIB	DISTRIBUTION	OF V	OLUMES	Z	DEPA	DEPARTMENT	Ĕ.	Ā	PERCENTAGE	TAGE	OF D	ISTRI	DISTRIBUTION	N FOR	H	OME U	SE.
BRANCHES.	JUVENILE FICTION.	ADULT PICTION,	.YAOTZIH	віосварну.	TRAVEL.	LITERA- TURE,	PERIODI- CALS.	SCIENCES'	,STAA	PHILOSOPHY	FOREIGN.	JUVENILE FICTION,	ADULT FICTION.	HISTORY.	ВІОСВАРНУ.	TRAVEL.	TURE.	CALS,	SCIENCES,	PHILOSOPHY	AND RELIGION,
Bond Street	8,	.23	8.	80.	90.	01.	<b>.</b>	oi.	8.	40.	11.		99	80	80	80	8	98	8	50	02 .03
Ottendorfer	11.	.37	.07	8.	.05	.12	9.	80.	8.	.02	(•.39)	.23	41	9		 0	· <u> </u>	.07	9	<u>.</u>	.02 (*.23)
George Bruce	91.	.28	90.	8.	-0.	.05	8	60.	40.	.03	.13		24	 		 	<u>.</u> 8	50.	. so.		.o.
Jackson Square	.14	.28	8.	8.	.05	п.	8.	.07	.05	.02	oI.	.24	+3	.04	20.	8	· <u> </u>	· 6.	<u>\$</u>	 	.00
Harlem	9I.	.32	.07	.05	.05	oi.	90:	8	.0.	.02	.03	. 24	14:	.os	  	20	- 90:	- <del>.</del> - <del>8</del>		- 40 	.03
Muhlenberg	.17	.38	%	8.	9.	80.	20.	90.	.04	.04	.02	- 61·	54	. 69		<u>ن</u>		8	٠. ق	20.	10.
Bloomingdale	.14	.31	.07	.07	.05	or.	8.	80.	.o.	.03	-04	02	.45	<u>\$</u>			- 50. 	8	- 40. 	. 69	.01
Riverside	61.	.31	.07	8.	.04	8,	.07	.07	9.	20.	.04	. 45	. 42	40		 	8	8	9.		.01
Yorkville	.23	. 22	.07	.05	.04	8,	.05	01.	Ş.	.02	80.	.33	. 72	.05	-60.	20,		9. 90:	.07	40.	.00
34th Street	61.	.29	90.	.07	.05	oi.	80.	8,	40.	9	ю.	.28	35	8	.03	.03	.07	80.	.05		10.
Chatham Square	.27	81.	11.	.05	.04	80.	50.	.15	.03	.03	10.	.36	. 16	21		- FO	.07	.03	٠.		10.
+St. Agnes	91.	.39	.07	90.	90.	8	10.	8	\$	.05	.03	· 19	55	<u>်</u>	<u>ه</u> .	20.		- 50.		8	10 IO
Washington Heights	01.	.36	80.	80.	90.	II.	.03	01.	<u>\$</u>	.03	10:	- 9I	65	-0.	- 40 0.		- 9 - 9	- 20.	<u>ه</u>	-20	
Travelling Libraries	.24	81.	.12	.07	.07	80.	10.	81.	8.	9.		.26		. 21.	-9 -9	-0.			.28	20	0
§Public School No. 160													•	21	13 0.	- 60 :	24		22	. 70.	8
§Public School No. 33												•	•	- 41.	-4 	46	61.	-	<u>o</u>	.07	
§Public School No. 30													•	.13	13	 02	.27	-	14	. 12	10.
§Public School No. 90													-	. I4	10	.21	.33	<u> </u>	. 12	80.	.02
Whole Department	.15	.30	80.	90.	.05	60.	.05	8,	8.	.03	.05	.25	36	%   %	o. 60	.03	8.	9.	9.	60.	10.

† Only from date of consolidation, Dec. 1, 1901, \$ Discontinued Jan. 1, 1902.

\* Distributed also among classes. + Only from date of consolidation, Aug. 1, 1901.

TABLE IX.

NUMBER AND CLASSES OF VOLUMES IN THE BRANCH LIBRARIES.

Circulation Department, June 30, 1902.

80		2	*	38		6	2 20	98	48	8	8	7 26	7	6	1 881	2,258	8 4,267	
OΓ	20,340	32,901	12,02,	26,508	17,841	13.096	10,552	13,626	8,024	13,733	6,459	11,337	11,517	20,133	12,751		218,818	
BCIENC	1,984	2,475	988	2,298	1,218	1,223	645	1,055	572	1,315	565	1,681	702	1,997	2,272		100,0%	
STAA	1,132	1,859	\$9\$	1,130	928	049	417	659	ą,	643	264	338	420	867	380		10,010	
KETIČE VND LKITORO	771	\$27	1¢1	713	354	192	375	445	173	274	112	306	576	589	60		5,727	
CALE.	745	1,711	884	1,544	496	787	476	789	543	715	483	527	181	56	101		10,163	
PRENCE ETC.	166	856	•	1,236	637	101	122	201	119	69	15		133	\$	-		4,616	
CERMAN	1,248	+(12,024)		2,331	1,176	212	80	427	184	1,102	92	108	182	78	\$		7,261	
AMELIA TURB.	2,145	3,999	2,118	1,453	3,026	1,263	884	1,317	738	1,183	648	974	1,066	2,113	1,046		20,855	
MANNE	1,264	1,664	813	1,148	847	6095	428	<del>1</del>	335	573	294	492	443	1,261	864		10,952	
14A#30014	1,608	1,892	612	1,510	1,078	700	999	937	493	ô	456	530	716	1,546	914		13,745	
VHOTSIH	1,940	2,362	584	1,548	1,098	914	597	973	540	ggó	417	1,236	798	1,554	1,560		16,499	
ADULT	4,700	11,966	5,884	7,395	4,945	4,207	4,052	4,219	2,491	3,062	1,905	2,059	4,473	7,364	3,306		65,044	
MICLION	1,872	3,590	223	4,203	2,567	2,058	1,802	096'1	1,532	3,141	1,224	3,086	1,827	3,076	3,007		33,945	
																	Total	

<sup>\*</sup> Included in previous line. † Distributed into classes, both in thus and in the next line, ‡ Only from date of consolidation, Aug. 1, 1901,

TABLE X. ADDITIONS TO THE BRANCH LIBRARIES. § Circulation Department, 1901-1902.

	JUVENILE.	FICTION.	HISTORY.	BIOGRAPHY.	TRAVEL.	LITERA- TURE,	PERIODI- CALS.	SCIENCES.	ARTS.	PHILOSOPHY AND RELIGION.	FOREIGN.	TOTAL.
Bond Street	64	130	70	81	61	115	50	131	59	27	17	805
Ottendorfer	123	380	63	65	42	126	130	121	55	21	(*43 <sup>1</sup> )	1,126
" German	2	233	15	20	12	49	57	18	15	10		43I
George Bruce	133	274	72	85	53	98	99	110	51	29	66	1,070
Jackson Square	147	294	72	92	67	162	38	96	78	23	32	1,101
Harlem	72	214	65	55	33	80	39	115	77	14	8	772
Muhlenberg	66	262	39	36	45	48	38	68	46	10	62	720
Bloomingdale	121	331	105	60	71	106	93	154	110	41	133	1,325
Riverside	106	199	17	34	32	44	62	57	36	14	38	639
Yorkville	69	151	88	135	68	98	120	174	139	32	163	1,237
34th Street	26	124	32	43	54	67	92	76	37	12	52	615
Chatham Square	66	124	82	60	56	87	49	159	64	36		783
†St. Agnes	307	571	166	196	112	167	178	125	68	41	92	2,023
‡ Washington Heights	47	206	62	48	31	83	28	146	48	19	4	722
Travelling Libraries	351	772	341	291	298	324	38	422	148	53	10	3,048
Total	1,698	4,032	1,274	1,281	1,023	1,605	1,054	1,954	1,016	372	677	15,986

<sup>§</sup> Including 1992 volumes transferred from four discontinued school libraries. \* Chiefly German, distributed into classes in this and the next line.

<sup>†</sup> Only from date of consolidation, Aug. 1, 1901. ‡ Only from date of consolidation, Dec. 1, 1901.

TABLE XI. APPLICATIONS FOR REGISTRATION. Circulation Department, 1901-1902.

	NEW READERS.	MALES.	FEMALES	ADULTS.	WHOLE NO. OI NAMES ON REGISTRY BOOKS.
Bond Street	2,265	1,534	731	815	30,241
Ottendorfer	3,364	1,932	1,432	1,538	35,292
George Bruce	2,334	1,231	1,103	1,207	39, 104
Jackson Square	1,923	986	937	1,087	18,180
Harlem	2,673	1,476	1,197	973	21,835
Muhlenberg	1,846	889	957	1,321	15,130
Bloomingdale	2,714	1,172	1,542	1,747	15,438
Riverside	798	393	405	485	6,386
Yorkville	2,857	1,573	1,284	998	16,540
34th Street	1,039	546	493	392	5,037
Chatham Square	2,893	1,555	1,338	406	11,111
St. Agnes	1,947	677	1,270	1,183	14,593
Washington Heights	1,135	525	610	531	6,647
Public School No. 160					264
Public School No. 33					67
Public School No. 30		· 			92
Public School No. 90					248
Total	27,788	14,489	13,299	12,683	236, 205

<sup>•</sup> Only from date of consolidation, Aug. 1, 1901. † Only from date of consolidation, Dec. 1, 1901.

<sup>‡</sup> Discontinued Jan. 1, 1902.

# TABLE XII.

# STATISTICS OF TRAVELING LIBRARIES.

# Circulation Department-July, 1901-June, 1902.

STATIONS,	Vor	LUMES.	STATIONS.	Volumes.
Almoth Zion, 29 Rid		136	Play Grounds:	
American District Tel				No. 73, 209 E. 46th St. 1,203
Ave	egraph, ooo corumbus	25	" " "	No. 75, 25 Norfolk St 1,182
American District Tel	egraph, of t Columbus			No. 103, 119th St. and
Ave	og.upu, yrr columbus	32		Madison Ave 2,135
Amity Baptist Church	. 312 W. 54th St.	487	4. 41	No. 105, 269 E 4th St. 2,469
Bedford Park Fre			" "	No. 120, 187 Broome St. 2,959
Park		1,664		No. 122, 160 1st Ave 4,103
Bethlehem Band, 196	Bleecker St	197	** **	No. 131, 272 2d St 543
	6 Bleecker St	589	** **	No. 135, 51st St. and 1st
Bronx Free Library,				Ave 1,461
176th St	-	3,733	" "	No. 147, E. B'way and
Calvary House, 335 E.		40		Gouverneur St 2,483
Children's Summer	Club, 361 W. 34th		" "	No. 154, St. Ann's Ave.
St		127		and 147th St 3,589
City History Club (9 c		692	" "	No. 158, Avenue A, bet.
City Hospital, O. I	'. Ward, Blackwell's			77th and 78th Strs 461
Island		282		No. 159, 241 E. 119th St. 1,879
City Hospital, Woma	n's Ward, Blackwell's		" "	No. 160, Rivington and
Island , .		248		Suffolk Strs 1,940
Demants of Educat	•		" "	No. 168, 104th and 105th
Department of Educat	ion:			Strs. bet. 1st and 2d
High Schools:				Aves
De Witt Clinton H	High School (3 classes),			No. 174, Attorney near
174 W. 102d St		222	" "	Rivington St 996
	High School Annex		3	No. 177, Market near Monroe St 2,033
(1 class), 60 W.		534		, 55
	High School Annex	551	Public Schools:	
(3 classes), 120		385	Public School	No 8 (2 classes), 29 King St. 464
	High School Annex	• •	" "	No. 10, 117th St. and St.
(4 classes), 225	E. 23d St	1,010		Nicholas Ave 2,443
	ool (4 classes), 144th		44 41	No. 18, 121 E. 51st St 117
St. and Mott A	ve	1,639		No. 28, 257 W. 40th St. 8,804
D. G.			44 44	No. 51, Primary Dep't,
Play Centres:				519 W. 44th St 2,831
Public School No.		4, 163	11 11	No. 51, Grammar Dep't,
	20, Rivington and			519 W. 44th St 6,325
	orsyth Strs	2,661	41 41	No. 64, Fordham 2,713
110	. 42, 61 Hester St.	8,395	44 44	No. 102, City Island . 1,749
110	. 147, E. B'way and			No. 141, 462 W. 58th St. 5,553
	Gouverneur St	4,228	., ,,	No. 154, St. Ann's Ave.
140	. 160, Rivington and		** **	and 147th St 2,639
	Suffolk Strs	2,197	66 61	No. 155, Tremont 3,369
	. 1/2, 100th St. E.			No. 178, 163d St. and St.
	d Ava	2 206		
110	d Ave	3,206		Lawrence Ave 163
	. 174, Attorney and		Vacation School	•5
	. 174, Attorney and Rivington Strs	3,206 6,565		i;
" " No	. 174, Attorney and Rivington Strs . 177, Market and	6,565		's.' No. 1, 8 Henry St 94
" " No	. 174, Attorney and Rivington Strs	6,565	Public School	No. 1, 8 Henry St 94 No. 20, Rivington and
" " No	. 174, Attorney and Rivington Strs . 177, Market and	6,565	Public School	No. 1, 8 Henry St 94 No. 20, Rivington and Forsyth Sts 564
" No N Play Grounds: Public School No.	. 174, Attorney and Rivington Strs . 177, Market and Monroe Strs	6,565	Public School	No. 1, 8 Henry St 94  No. 20, Rivington and  Forsyth Sts 564  No. 42, 61 Hester St 1,430
" No  Play Grounds:  Public School No. " No.	. 174, Attorney and Rivington Strs	6,565 6,468	Public School	No. 1, 8 Henry St 94 No. 20, Rivington and Forsyth Sts 564
" No Play Grounds: Public School No. " No. " No.	174, Attorney and Rivington Strs 177, Market and Monroe Strs	6,565 6,468 2,863	Public School	No. 1, 8 Henry St 94 No. 20, Rivington and Forsyth Sts 564 No. 42, 61 Hester St 1,430 No. 147, E. B'way and
" No Play Grounds: Public School No. " No. " No.	174, Attorney and Rivington Strs 177, Market and Monroe Strs	6,565 6,468 2,863 4,456	Public School	No. 1, 8 Henry St 94 No. 20, Rivington and Forsyth Sts 564 No. 42, 61 Hester St 1,430 No. 147, E. B'way and Gouverneur St , 1,550
" No Play Grounds: Public School No. " " No. " " No. " " No.	174, Attorney and Rivington Strs	6,565 6,468 2,863 4,456 2,349 2,391	Public School	No. 1, 8 Henry St 94 No. 20, Rivington and Forsyth Sts 564 No. 42, 61 Hester St 1,430 No. 147, E. B'way and Gouverneur St , 1,550 No. 174, Attorney, near Rivington Sts 44 No. 177, Market, near
" No Play Grounds: Public School No. " " No. " " No. " " No.	174, Attorney and Rivington Strs	6,565 6,468 2,863 4,456 2,349	Public School	No. 1, 8 Henry St

STATIONS.	Volumes.	STATIONS. VOI	UMES.
Distributing Libraries:		The Gertie Walthers, 223 E. 101 St	156
Calvary House Centre, 335 E. 22d St	t 1,395	" Harriet Marcus, 123 Henry St	158
East Broadway Centre, East Side Sci	hool. 2,830	" Henry Street, 128 Henry St	407
East 103d St. Centre, Home Industria	al II. 697	" Hyman and Nathan Princhep, 367	
"Little Mother's" Pleasant Place	, 22	Brook Ave	106
West St	. 1,404	" Julius Halperin, 2177 Fifth Ave	3
Longfellow Circle, Sullivan St. Indu		"Lese Verein, 107 1st Ave	118
School	. 1,586	" Lincoln, 316 E. 24th St	139
Sunshine Mission, 484 11th Ave.		Magaii, 0// 15. 15/th 5t	138
Wilson Industrial School Centre, 12		May Steilliuit, of Montgomery St	78
Marks Place.	. 58	Mis. Hecker, My Sumvan St	28
Earnest Workers Club, 8 Horatio St.	•	Moiris Minman, 24/ Monroe St	74
Endeavor Club, 59 Morton St.	. 90	Meyer remberg, 250 Monioe St	74
Far and Near Clnb, 295 Henry St	. 48	" Nathan Hale, 423 E. 19th St	696
Fire Department:		" Philip Bernstein, 30 Scammel St " "Roosevelt," 503 E. 19th St	613
Engine Co. No. 1, 165 W. 29th St.	. 63	" Samuel Präger, 28 Scammel St	349
" No. 2, 530 W. 43d St	. 117	" Stuyvesant," 269 Division St.	241
" No. 3, 417 W. 17th St.	. 68	" "Washington," 512 E. 5th St	7 198
" No. 4, Maiden Lane .	. 94	Individual teachers	282
" No. 7, 22 Chambers St.	. 122	l	202
" No. 8, 165 E. 51st St	. 110	Industrial Schools:	
" No. 10, 8 Stone St	. 103	American Female Guardian Society:	0
" No. 11, 437 E. Houston	1 St. 108	Home School, Oceanport	128
" No. 12, 261 William St.	. 105	industrial No. 1, 303 E. Toytu	
" No. 14, 14 E. 18th St	. 155	" No. 2, 418 W. 41st St.	3,100
" No. 15, 269 Henry St	. 83	" " No. 3, 304 W. 26th St.	1,701
" No. 18, 132 W. 10th St.	. 67	" No. 4, Willetts St	
" No. 20, 47 Marion St	• 95	" No. 5, 368 E. 8th St.	481
" No. 22, 159 E. 85th St.	. 160	" No. 8, 414 W. 54th St.	
" No. 25, 342 5th St	. 42	" No. 10, 125 Lewis St.	
110. 20, 004 E. ITHI St.	. 60	" No. 11, 243 E. 103d	4,550
140, 30, 253 Spring St	. 208	C.	3,757
110. 34, 440 11. 334 31.	. 173	Children's Aid Society:	3,737
140, 39, 15/ 15, 0/111 51.	. 109	Avenue B School, 535 E. 16th St.	7,192
140. 40, 715 E. 170tii St.		Brace Memorial, 9 Duane St	964
110. 4/, 113th 5t., hear	. I42	East River School, 247 E. 44th St	2,758
" No. 48, Fordham	. 100	" Side " 287 E. B'way	7,318
" No. 53, 175 E. 104th St.	. 218	Elizabeth Home Evening School, 307	• • •
" No. 58, 81 W. 115th St.	. 63	E. 12th St	572
3.,		Fifty-third St. School, 552 W. 53d St	4,615
Hook and Ladder No. 1, 22 Chan	nbers	German School, 272 2d St	5,810
Street	. 186	German Evening School, 272 2d St	584
" No. 2, 50th St.	and	Henrietta School, 224 W. 63d St	3,220
Lexington .	. 87	Jones' Memorial, 407 E. 73d St	7,515
" No. 7, 217 East	28th	Mott St. School, 256 Mott St	1,414
St	. 52	Pike St. School, 28 Pike St	577
" No. 15, Old Slip	near	Sixth St. School, 630 6th St	525
Water St	, 29	Sullivan St. School, 219 Sullivan St West Side School 201 W 22d St	804
" No. 16, 157 E.		West Side School, 201 W. 32d St Irene Club, 361 W. 34th St	436 65
St	. 159		65
110. 25, 215 11.		" Junior Club, 361 W. 34th St Lowell Literary Club, 302 Madison St	53 42
St	. 74	Luther League, 406 E. 19th St	7
Five Points Mission School, 63 Park St		M. S. Synthetic Circle, 9 Pitt St	52
Friendly Aid Society, 229 E. 29th St.	. 1,824	Madison Chapel Girls' Club, 30 E. 42d St	19
High Bridge Free Library, 168th St.		Mott Ave. M. E. Church, 150th St. and	-4
Ogden Ave	. 1,157	Mott Ave	1,063
Home Libraries:		Neighborhood Civic Club, 184 Eldridge St.	10
The Abraham Polsky, 257 Monroe St	t 64	" House of Spring St. Church,	
" Alcott, 97 Henry St	. 211	239 Spring St	296
" Allison, 689 E. 157th St	. 121	New Era Club, 287 Henry St	391
" Celia Thaxter, 39 Jackson St	. 1,165	N. Y. Exchange for Women's Work, 334	
" Charles Karsch, 16 Montgomery	St. 173	Madison Ave	238
" Charles Wilson, 223 E. 3d St.	. 245	N. Y. Life Insurance Co., 346 B'way	2,485
" Columbus, 621 E. 15th St	. 447	Nursery and Child's Hospital, Staten Island	44
Department Staff, 206 W. 100th		One Hundred Sixty-ninth St. Church, 169th	_
" Forty-fifth Street, 531 W. 45th	St 916	St. and Franklin Ave	5,901

STATIONS.	Volumes.	STATIONS. Voi	LUMES.
Paterson High School, Paterson, N. J.	. 581	St. Mary's Church, Alexander Ave. and	
People's Church, 545 E. 11th St	. 626	141st St	303
" Institute, Club A, 241 E. 14th	St. 35	Seventh St. M. E. Church, 22 E. 7th St.	32
Postal Telegraph, 102 W. 104th St.	. 172	Temple Rodelph Scholem, Lexington Ave.	•
Protestant Half-Orphan Asylum, Manhat	tan	and 63d St	52
Ave. and 104th St	. 779	Wilson Memorial Mission, 454 W. 42d St.	158
Society of Pedagogy, 85th St. and Madi	son	Truant School, 215 E. 21st St	1,184
Ave	. 5	Twenty-first Ward Mission, 305 E. 41st St.	τ85
Sons of Liberty, 184 Eldridge St	. 26	Union Settlement, 235 E. 104th St	213
Sunday and Sabbath Schools:		University Place Church, 47 University Place	2, 185
Juniors, 426 W. 127th St	. 41	Washington Square Home, 49 Washington	
St. Agatha's School, 257 W. 93d St,	. 428	Square S	195
St. James' M. E. Church, Madison A	ve.	West Side Branch University Settlement, 38	•-
and 126 St	. 150	King St	73
St. Mark's Girls' Guild, 10th St. and Ave	.A 9	X. L. M. Club, 236 2d Ave	182
St. Mark's P. E. Church, 175 Second A	ve. 31		

# TABLE XIII.

### LISTS, PICTURE BULLETINS, ETC.

### Circulation Department, 1901-1902.

### BOND STREET BRANCH.

Alfred the Great; Alfonso XIII; Arbor day; Christmas; Bret Harte; Colonial life; P. L. Ford; Greater New York; Hall of fame; Lincoln; McKinley; New York public library; Old New York; Roosevelt; F. R. Stockton; Thanksgiving day; Washington; K. D. Wiggin.

### OTTENDORFER BRANCH.

American Indians; American travel; Arbor day; Dr. M. B. D. Babcock; Books about Spain; Walter Besant; Boston; Castles & memorials of Europe; Current events; Dante; Edward VII; John Fiske; P. L. Ford; Goethe; Bret Harte; Edward E. Hale; Holland; Victor Hugo; Interesting books for children; Latest fiction; Lincoln; Martinique; Morocco; Music & musicians; New books; Opera; Prince Henry; Queen Wilhelmina; Cecil Rhodes; Rochambeau; Russian books; Some royal sailors; Frank R. Stockton; Stories of delicate workmanship; Maurice Thompson; Washington; Who's Who; C. M. Yonge.

### GEORGE BRUCE BRANCH.

Audrey; Walter Besant; Christmas; Detective stories; Easter; Folk-lore; Nathan Hale; Bret Harte; Lincoln; McKinley; Music; Queen Wilhelmina; Roosevelt; Sea stories; Sports; F. R. Stockton.

### JACKSON SQUARE BRANCH.

Walter Besant; Birds; Robert Buchanan; Christmas; Current events; Easter; Bret Harte; Lincoln; Music; Outdoor sports; Photography; Roosevelt; F. R. Stockton; Thanksgiving day; Washington.

### HARLEM BRANCH.

Arbor day; Birds; Christmas; Columbia university; Concord & Lexington; Concord writers; Country of the Little King; Bronx park; Decoration day; Few good books for Girls; P. L. Ford; Germany & its rulers; F. B. Harte; Li Hung Chang; Library of Congress; New Year's day; Pirates; School & college life; Spring; F. R. Stockton; Some good books for children; Thanksgiving; Volcanoes & the Lesser Antilles; G. Washington; Yale university.

### MUHLENBERG BRANCH.

Animals; Arbor day; Christmas; Edward VII & the coronation; John Fiske; P. L. Ford; F. B. Harte; Independence day; Lincoln's birthday; Literary prescriptions; Memorial day; New Year's day; T. Roosevelt; Thanksgiving day; Washington's birthday.

### BLOOMINGDALE BRANCH.

American historical novels; Arbor day; Birds; Christmas; College stories; Coronation of Alfonse XIII, king of Spain; Decoration day; Dickens's stories for children; Distressed islands; Electricity; P. L. Ford; F. B. Harte; List of books for primary grades; Mechanic trades; New York old & new; Outdoor sports; Rambles through Germany; F. R. Stockton; Thanksgiving day; United States history; Yachts.

### RIVERSIDE BRANCH.

New books.

### YORKVILLE BRANCH.

Arbor day; Birds of Central park; Christmas; Coronation of Alfonse XIII; Exposition buildings; John Fiske; P. L. Ford; International yacht race; Lincoln; H. W. Longfellow; McKinley; New Year's day; Niagara falls; Pan-American fair; T. Roosevelt; Roosevelt's family; F. R. Stockton; Thanksgiving day; Tales of the sea; G. Washington; W. Wordsworth.

### 34TH STREET BRANCH.

Arbor day; Bird day; Christmas; Decoration day; Destruction of St. Pierre; P. L. Ford; Bret Harte; Independence day; King Alfonso's coronation; King Edward VII's coronation; Lincoln's birthday; President McKinley & the Pan American exposition; Thanksgiving day; Washington's birthday.

### CHATHAM SQUARE BRANCH.

T. B. Aldrich; Arbor day; Authors of books on animals; Birds; J. G. Brown (child painter); W. C. Bryant; China; Christmas; College stories; Decoration day; C. Dickens; Drama; Election day; Electricity; Fairy tales; E. Field; Fishes; Flag day; P. L. Ford; B. Franklin; Hall of fame; Bret Harte; Independence day; W. Irving; King Alfred; King Edward VII; Li Hung Chang; W. McKinley; Martinique; Napoleon; New York old & new; Popular authors; Presideut Roosevelt & cabinet; South America; F. R. Stockton; Thanksgiving day; G. Washington; J. G. Whittier.

# ST. AGNES BRANCH.

Boys' sports; Cathedrals of France; Cathedrals of Spain; Coronation of Edward VII; Coronation of the king of Spain; Decoration day; Lincoln's birthday; Madonnas of famous painters; Martinique; July Fourth; People & books being talked about; Some American authors; Thanksgiving day; Trees; Washington's birthday.

Washington Heights Branch. Art; Outdoor books; Trees.

### PRINCIPAL ACCESSIONS IN SEPTEMBER.

### GENERAL WORKS.

Dictionnaire encyclopédique universel par Camille Flammarion, v. 8, Paris, 1902. 4°.

New (The) international encyclopædia. v. 2. New York, 1902. 4°.

### BIBLIOGRAPHY.

Lorens (O. H.) Catalogue général de la librairie française. v. 14, A-H. Paris, 1901. 4°.

Rheude (L. M.) Bibliothekzeichen. Zürich, 1902. 8°,

### BIOGRAPHY AND GENEALOGY.

Alphabetical, by subjects.

Cuyler (T. L.), D.D. Recollections of a long life. New York, 1902. 12°.

Franklin (B.) The autobiography of Benjamin Franklin. Boston, 1902. 12°.

**Lafond** (P.) Goya. Paris, 1902. F°. (Les artistes de tous les temps, sér. C.) Gift of S. P. Avery,

Murray (T. D.) Jeanne d'Arc. New York, 1902. 4°.

Manson (J. A.) Sir Edwin Landseer. London, 1902. 12°.

(Makers of British art.)

Tschudi (H. von). Édouard Manet. Berlin, 1902. 8°.

Gift of S. P. Avery.

Reed (T. L.) The Reed genealogy. Descendants of William Reade of Weymouth, Massachusetts, from 1635 to 1902. [Baltimore, cop. 1901.] 8°.

### GENERAL HISTORY AND GEOGRAPHY.

**British** and Colonial flags; also, Flags of all nations. Royal Edwardian edition. *Glasgow*, 1902.

**Brunhes** (J.) Étude de géographie humaine. *Paris*, 1902. 4°.

### AMERICA.

**Denton** (D.) A brief description of New York. Reprinted from the edition of 1670. Cleveland, 1902. 8°.

Eastman (C. A.) Indian boyhood. New York, 1902. 8°.

**Fédéraliste** (Le), (commentaire de la constitution des États-Unis.) . . . par A. Hamilton, J. Jay et J. Madison; . . . new French ed. *Paris*, 1902. 8°.

(Bibl. intern. de droit public.)

Funke (A.) Aus Deutsch-Brasilien. Leipzig, 1902. 8°.

**Hodge** (O. J.) Reminiscences of Cleveland, O. Cleveland, O., 1902. 12°.

Sherman (A. M.) Morristown, N. J., in the Spanish-American war. Morristown, N. J., 1900.

Tyng Township, Mass. Proprietors' records, 1735-1741. Manchester, N. H., 1901. 8°.

**Vignaud** (H.) Toscanelli and Columbus. The letter and chart of Toscanelli on the route to the Indies by way of the West. *London*, 1002. 8°.

Whitehead (J.) The Passaic valley. v. 1-2. New York, 1901. 4°.

### EUROPE.

Correspondance diplomatique des ambassadeurs et ministres de Russie en France et de France en Russie . . . 1814 à 1830. tom. I. St. Petersbourg, 1902. 4°.

Gloucestershire, Eng. Gloucestershire parish registers. Marriages. Ed. by W. P. W. Phillimore. v. 8. London, 1902. 8°.

(Phillimore's parish register series, v. 29.)

Handbook for Berkshire. London, 1902. 16°. (Murray's handbooks.)

Jastrow (J.) Deutsche Geschichte im Zeitalter der Hohenstaufen (1125-1273). Bd. 2. Stuttgart, 1901. 4°.

(Bibliothek deutscher Geschichte.)

Joanne (A.) Géographie de la département de la Dordogne. *Paris*, 1902. 12°.

**Kahle** (B.) Ein Sommer auf Island. *Berlin*, 1900. 8°.

**London** as seen and described by famous writers. Edited and translated by E. Singleton. *New York*, 1902. 8°.

Molinier (A.) Les sources de l'histoire de France. v. 2. Paris, 1902. 8°.

(Manuels de bibliographie historique, v. 3.)

Norman (H.) All the Russias. New York, 1902. 8°.

Nottinghamshire, Eng. Nottinghamshire parish registers. Marriages. Ed. by W. P. W. Phillimore and T. M. Blagg. v. 4. London, 1902.

(Phillimore's parish register series, v. 26.)

**Pirenne** (H.) Geschichte Belgiens. Gotha, 1902. 8°.

(Geschichte der europäischen Staaten.)

Seeck (O.) Geschichte des Untergangs der Antiken Welt. Anhang zum 2. Bande. Berlin, 1901. 8°.

**Somerset,** Eng. Somerset parish registers. Marriages. Ed. by W. P. W. Phillimore and E. H. Bates. v. 4. London, 1902. 8°.

(Phillimore's parish register series, v. 30.)

**Vernier** (J. J.) Le duché de Bourgogne et les compagnies dan la seconde moitié du XIVe siècle. *Dijon*, 1902. 8°, 25 copies printed.

Villari (L.) Italian life in town and country. New York, 1902. 12°.

(Our European neighbours.)

### AFRICA.

Budge (E. A. T. W.) A history of Egypt. London, 1902. 8 v. 12°.

(Books on Egypt and Chaldea, v. 9-x6.)

Fitoussi (É.) L'État tunisien. Tunis, 1901.

Godbey (A. H.) Stanley in Africa. Chicago, 1902. 8°.

Mignard (E.) Étude sur l'établissement de la domination française à Madagascar. Paris, 1900.

### ASIA.

**Bacon** (A. M.) Japanese girls and women. Boston, 1902. Rev. ed. 8°.

Cordier (H.) Histoire des relations de la Chine avec les puissances occidentales 1860-1902. v. 3. Paris, 1902. 8°.

### JEWS.

**Bernstein** (H.) In the gates of Israel. Stories of the Jews. New York, 1902. 8°.

Gift of J. H. Schiff.

**Kohut** (G. A.) Ezra Stiles and the Jews. Selected passages from his literary diary. *New York*, 1902. 8°.

Gift of J. H. Schiff.

Schuerer (E.) Geschichte des jüdischen Volkes im Zeitalter Jesu Christi. Register. Leipzig, 1902. 8°.

Gift of J. H. Schiff.

**Steuernagel** (K.) Die Einwanderung der israelitischen Stämme in Kanaan. *Berlin*, 1901. 8°.

Vogelstein (H.) Die Anfänge des Talmuds und die Entstehung des Christentums. Vortrag, gehalten am 19. Februar 1902. Königsberg i. Pr., 1902. 8°.

Gift of J. H. Schiff.

### ART.

Clifford (C. R.) Period decoration. Illustrated. New York, 1901. 8°.

Gift of Messrs. Clifford & Lawton.

**European** and Japanese gardens. Papers read before the American Institute of architects. Edited ... by Glenn Brown. *Philadelphia*, 1902. 8°.

Henley (W. E.) Views and reviews. Art. New York, 1902. 12°.

Mireur (H.) Dictionnaire des ventes d'art. v. 2. Paris, 1902. 4°.

### SPORT.

**Smith** (L. H.) A sportsman's taxidermy and a sportsman's photography. *Cincinnati*, O., 1901.

Gift of J. L. Cadwalader.

Thormanby, pseud. Kings of the rod, rifle and gun. London, 1901. 2 v. 8°.

Gift of J. L. Cadwalader.

American and English Literature.

Bates (K. L.) The English religious drama. New York, 1902. 12°.

Chesterton (G. K.) The defendant. New York, 1902. 12°.

Crowninshield (F.) A painter's moods. New York, 1902. 8°.

James (H.) The wings of the dove. New York, 1902, 2 v. 12°.

**Lounsbury** (T. R.) Shakespeare and Voltaire. *New York*, 1902. 8°.

**Martin** (E. S.) Poems and verses. New York, 1902. 8°.

Maxwell (Sir H.) Memories of the months. ser. 2. London, 1900. 8°.

Moody (W. V.) The masque of judgment. A masque drama. Boston, 1902. 12°.

Pallen (C. B.) The death of Sir Launcelot, and other poems. Boston, 1902. 12°.

**Sharp** (F. C.) Shakespeare's portrayal of the moral life. *New York*, 1902. 8°.

Smith (F. H.) The fortunes of Oliver Horn. New York, 1902. 12°.

**Thomas** (W.) De epico apud Joannem Miltonium versu. Lutetia Parisiorum, 1901. 8°.

# FOREIGN LITERATURE.

Amoros (Bernart). La première partie du chansonnier de Bernart Amoros. Publiée par E. Stengel. Leipsig, 1902. 8°.

Arabian Nights. Le livre des mille nuits et une nuit. Traduction par J. C. Mardrus. v. 11. Paris, 1902. 8°.

**Bouhélier** (S.-G. de). Les chants de la vie ardente. *Paris*, 1902. 12°.

Bouwens van der Boijen (O.) Trop riche. Paris, 1902. 12°.

Champagne (R.) Une tuile; comédie. Paris, 1902. 12°.
Chancel (J.), and Gorsse (H. de). L'auréole;

comédie. Paris, 1902. 12°.

Croisset (F. de). Chérubin. Comédie en

trois actes, en vers. *Paris*, 1901. 8°. **Dama** (G.) Le suis-je? Comédie en un acte.

Paris, 1902. 12°.

Descaves (L.) Tiers état; comédie. Paris, 1902. 12°.

**Dubreuil** (René), and **Latourrette** (L.) L'innocent criminel. Comédie en un acte. *Paris*, 1902. 12°.

**Duval** (G.), and **Hennequin** (M.) Le voyage autour du code. Paris, 1902. 12°.

Gille (V.) Le coffret d'ébène. Paris, 1901. 12°. (Collection des poètes français de l'étranger.)

Goethe (J. W. von.) Goethes Werke. Abtheil. I, Bd. 34<sup>1</sup>, 41<sup>2</sup>; Abtheil. 4, Bd. 26. *Weimar*, 1902. 3 v. 8°.

**Grabbe** (C. D.) Sämtliche Werke. In vier Bänden hrsg. von E. Grusebach. Bd. 1-2. Berlin, 1902. 2 v. 8°.

**Guérin** (C.) Le semeur de cendres, 1898-1900. *Paris*, 1901. 2. ed. 12°.

Leo XIII., pope. Poems, charades, inscriptions. New York, 1902. 8°.

Loth (J.) Introduction au Livre noir de Carmarthen et aux vieux poèmes gallois. La métrique galloise. v. 1-2, pt. 1. Paris, 1900-1901. 2 v. 8°. (Cours de littérature celtique, t. 9-10.)

Maeterlinek (M.) Monna Vanna. Paris, 1902. 12°.

Mockel (A.) Clartés. Paris, 1901. 8°.

Reynold (B.) Petite femme. Comédie. Paris, 1902. 12°.

Timmory (G.), and Manoussi (J.) Un beau mariage; comédie. Paris, 1902. 12°.

**Verhaeren** (É.) Les forces tumultueuses. *Paris*, 1902. 12°.

**Wrede** (Richard) [and others]. Handbuch der Journalistik. Berlin, 1902. 8°.

### MATHEMATICAL AND PHYSICAL SCIENCES.

**Beltrami** (E.) Opere matematiche. v. 1. *Milano*, 1902. 4°. (Regia Università degli Studi di Roma.)

Cauchy (A. L.) Oeuvres complètes. 1º serie. Tome 12. Paris, 1900. 4°.

**Doehlemann** (K.) Geometrische Transformationen. 1. Teil. *Leipzig*, 1902. 12°. (Sammlung Schubert, no. 27.)

Guillet (Léon). Thèses présentées à la faculté des sciences de Paris. Paris, 1902. sq. 4°.

Heun (K.) Formeln und Lehrsätze der allgemeinen Mechanik. Leipsig, 1902. 12°.

**Ladenburg** (A.) Vorträge über die Entwicklungsgeschichte der Chemie von Lavoisier bis zur Gegenwart. *Braunschweig*, 1902. 8°.

Schubert (H.) Niedere Analysis. I. Teil. Leipzig, 1902. 12°. (Sammlung Schubert, no. 5.)

**Stange** (A.) Einführung in die Geschichte der Chemie. *Münster*, 1902. 8°.

**Zindler** (K.) Liniengeometrie mit Anwendung. I. Bd. *Leipzig*, 1902. 12°. (Sammlung Schubert, no. 34.)

### BIOLOGICAL SCIENCE.

**Bodin** (E.) Les champignons parasites de l'homme. *Paris*, 1902. 12°. (Encyclopédie scientifique des aide-mémoire. Section du

Encyclopædia medica. Under the general editorship of C. Watson. v. 11. *Edinburgh*, 1902. 4°.

4°.

Galliot (A.) Dysenterie aiguë et chronique.

Paris, 1902. 12°.

(Encyclopédie scientifique des aide-mémoire. Section du biologiste.)

Lampert (K.) Die Völker der Erde. Bd. 1. Stutigart, 1902. 4°.

**Leroy** (Louis). Essentials of histology. Arranged with questions following each chapter. *Philadelphia*, 1902. 2. ed. 12°.

Sicard (J. A.) Le liquide céphalo-rachidien. Paris, 1902. 12°. (Encyclopédie scientifique des aide-mémoire. Section du

Simpson (F.) Cats, and all about them. New York, 1902. 12°.

Vouselle. La syphilis. Paris, 1902. 12°. (Encyclopédie scientifique des aides-mémoire. Section du biologiste.)

### PHILOLOGY.

**Beaufront** (L. de). Dictionnaire esperantofrançais. *Paris*, 1902. 2. ed. 16°.

(Kolekto Esperanto, no. 2.)

Gulian (K. H.) Elementary modern Armenian grammar. London, 1902. 8°.
(Method Gaspy-Otto-Sauer.)

Hatsfeld (A.), Darmesteter (A.), and Thomas (A.) Dictionnaire général de la langue française. v. 2. Paris, 1902. 4°.

Sethe (K.) Das Altaegyptische Verbum im Altaegyptischen, Neuaegyptischen und Koptischen. Bd. 3. Indices. *Leipzig*, 1902. sq. f°.

Ultima grammatica italiana-inglese teoricopratica. New York, 1901. 4. ed. 8°.

### SOCIOLOGY.

Berenini (A.), and Ruffoni (A.) Il divorzio dinanzi alla camera. *Milano*, 1902. 16°.

**Bolen** (G. L.) The plain facts as to the trusts. New York, 1902. 12°.

Bonnet (J.) Étude de la législation allemande sur les brevets d'invention. Paris, 1902. 4°. Gift of the author.

Cenni (E.) Il divorzio considerato come contro natura ed antigiuridico. Napoli, 1902. 3. ed 8°.

Clark (S. S.) The government: what it is. New York, 1902. 12°.

Crosby (J. S.) Government: nature and functions of the state. New York, 1901. 12°.

Essai d'une philosophie de la solidarité. Paris,

(Bibliothèque générale des sciences.)

Fields (E.) Freedom in marriage. New York, 1901. 16°.

Grenell (J.) Economic tangles. Lansing, Mich. [1902]. 12°.

**Minard** (R.) Des droits et des pouvoirs du mari sur les valeurs mobilières de sa femme sous les différents régimes matrimoniaux. *Paris*, 1901. 4°.

Pawlowski (G. de). \*Philosophie du travail. Paris, 1901. 8°.

(Université de Paris.-Faculté de droit.)

Plytas (Th.) \*L'organisation ouvrière et le contrat collectif de travail. *Paris*, 1901. 8°. (Université de Paris.—Faculté de droit.)

Poirier (). L'infériorité sociale de la femme. Paris, 1900. 4°.

Prache ( ). La pétition contre la francmaçonnerie. Paris, 1902. 12°.

**Riso Carpinone** (V. de). Il divorzio. *Napoli*. 1901. 8°.

**Sanders** (W.) The political re-organisation of the people. *London*, 1902. 12°. (Ethical series.)

**Schaeffe** (A.) The quintessence of socialism... Transl. from the German. *London*, 1901. 12°.

Shadwell (A.) Drink, temperance and legislation. London, 1902. 12°.

### EDUCATION.

Compayré (G.) Development of the child in later infancy. pt. 2. New York, 1902. 12°. (International Educational Series, vol. 53.)

Rein (W.) Paedagogik in systematischer Darstellung. v. 1. Langensalza, 1902. 4°.

Van Cleve (C. L.) The history of the Phi Kappa Psi fraternity. *Philadelphia*, 1902. 8°.

### ECONOMICS.

Agnelli (A.) Nozioni di economia politica, xii lezioni. *Milano*, 1902. 16°.

(Biblioteca Universitá Popolari Italiane, no 5.)

**Boulard** (M.) Les finances de la Tunisie pendant les trente dernière années. *Paris*, 1901. 4°.

**Espinas** (G.) Les finances de la commune de Douai. *Paris*, 1902. 8°.

**Kowalewsky** (M.) Die ökonomische Entwicklung Europas. v. 2. *Berlin*, 1902. 8°. (Bibliothek der Volkswirtschaftslehre, v. 12.)

Le Barbier de Blignières (A.) Des rapports financiers existant en France entre les chemins de fer et l'état. *Paris*, 1900. 8°.

Lehuréou Kerisel (R.) Étude sur les dégrèvements en matière d'impot foncier depuis 1790. Rennes, 1902. 8°.

Leinitz (L.) Wie studiert man Nationalökonomie? Leipsig, 1902. 12°.

**Leroy Beaulieu** (P. P.) De la colonisation chez les peuples modernes. *Paris*, 1902. 5. ed. 2 v. 8°.

(Économistes et publicistes contemporaine.)

Robert (G.) Des variations du taux de l'intérêt. Lyon, 1902. 4°.

### INDUSTRIES AND INDUSTRIAL ARTS.

**Biscan** (W.) Formeln und Tabellen für den praktischen Elektrotechniker. *Leipzig*, 1902? 5. ed. 24°.

Coffignier (C.) Manuel du fabricant de vernis. Paris, 1902. 12°.

(Bibliothèque des actualités industrielles, no. 87.)

Cross (C. F.), and Bevan (E. J.) A text-book of paper-making. London, 1000, 2, ed., 12mo.

of paper-making. London, 1900. 2. ed. 12mo. **Defays** (J.), and **Pittet** (H.) Étude pratique sur les différents systèmes d'éclairage. Paris, 1902. 12°.

(Encyclopédie scientifique des aide-mémoire. Section de l'ingénieur.)

**Dibos** (M.) Le scaphandre, son emploi. *Paris*, 1902. 12°.

(Encyclopédie scientifique des aide-mémoire. Section de l'ingénieur.)

Guillet (L.) L'industrie des acides minéraux. Paris, 1902. 12°.

(Encyclopédie scientifique des aide-memoire. Section de l'ingénieur.)

Hannan (W. I.) The textile fibres of commerce. London, 1902. 8°.

Heinke (C.), and Ebert (H.) Die Elektrophysik und die Theorie des Elektromagnetismus. Abtlg. 1. Leipzig, 1902. 4°.

(Handbuch der Elektrotechnik . . . hrsg. von C. Heinke, Bd. r.)

Jueptner von Jonstorff (H. von). Siderology: the science of iron. London, 1902. 8°.

**Kessler** (J.) Berechnung und Konstruktion der Turbinen. *Hildburghausen*, 1902. 8°. (Technische Lehrhefte, Abt. B. Heft 9.)

Lemström (S.) Elektrokultur. Berlin, 1902.

Le Verrier (U.) Métallurgie générale. Paris, 1902. 4°.

(Encyclopédie industrielle.)

Modern American tanning: a practical treatise on the manufacture of leather. Chicago, 1902. 8°.

Neuville (H.) Les ferments industriels d'éxtrême-orient. Paris, 1902. 12°.

(Encyclopédie scientifique des aide-mémoire, Section du biologiste.)

Perret (A.) Couleurs minérales. Paris, 1902.

(Petite encyclopedie de chimie industrielle pratique, no. 24.)

Perret (A.) Les explosifs. Paris, 1902. 12°.
(Petite encyclopédie de chimie industrielle pratique, no. 25.)

Renouard (A.), fils. Histoire de l'industrie linière en France. Lille, 1902. 4°.

**Vigneron** (E.) Mesures électriques. Essais industriels. *Paris*, 1902. 12°.

(Encyclopédie scientifique des aide-mémoire. Section de l'ingénieur.)

### COMMERCE—RAILWAYS, ETC.

**Bradshaw's** continental railway, steam transit, and general guide for travellers through Europe. Special ed. Aug., 1902. *London*, 1902. 16°.

Railroad reports (v. 25 American and English railroad cases, new series). v. 2. Charlottesville, 1902. 8°.

Schoeller (A), and Fleurquin (A.) Chemins de fer. Exploitation technique. Paris, 1901. 4°. (Encyclopédie industrielle.)

Wright (P. A.) Wright's bookkeeping simplified. New York, 1901. 8°.

### NAVAL AND MILITARY SCIENCE.

**Bainbridge Hoff** (W.) Elementary naval tactics. *New York*, 1901. 8°.

**Dugan** (M. C.) U. S. Naval Academy examination papers, 1899–1902. *Baltimore*, 1902. 12°. Proudit collection.

Frothingham (J. P.) Sea fighters from Drake to Farragut. New York, 1902. 8°.

Fyfe (H. C.) Submarine warfare, past, present and future. London, 1902. 8°.

Gavotti (G.) Guerra navale-littoranea. Roma, 1901. 2 v. 8°.
Proudfit collection.

Imperato (F.) Attrezatura manovra navale segnalazioni marittime e dizionarietto di marina. *Milano*, 1902. 3. ed. 24°.

(Manuali Hoepli.) Proudfit collection.

Lacour-Gayet (G.) La marine militaire de la France sous le règne de Louis XV. *Paris*, 1902. 8°.

(Proudfit collection.)

**Werner** (B. von). Deutsches Kriegsschiffsleben. *Leipzig*, 1902. 8°.

### PHILOSOPHY.

Abhedananda, Swāmi. Vedanta philosophy. How to be a Yogi. New York, 1902. 12°. Gift of the Vedanta society.

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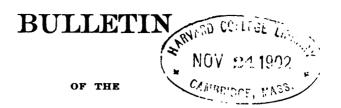
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Entered at the Post Office at New York, N. Y., as second-class matter, January 30, 1897, under Act of July 16, 1894.

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### Volume VI · Number 11 November 1902

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NEW YORK 1902

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OF THE

### NEW YORK PUBLIC LIBRARY

#### ASTOR LENOX AND TILDEN FOUNDATIONS

Vol. VI. November, 1902. No. 11.

#### REPORT FOR OCTOBER.

#### REFERENCE DEPARTMENT.

During the month of October there were received at the Library, by purchase, 1,149 volumes and 355 pamphlets; by gift, 1,155 volumes, 2,024 pamphlets, and 32 maps; and by exchange, 105 volumes and 112 pamphlets.

There were catalogued 4,468 volumes and 4,690 pamphlets, for which purpose 11,157 cards and 3,685 slips for the copying machine were written, and 18,572 cards were received from the copying machine.

The following table shows the number of readers, and the number of volumes consulted, in both the Astor and Lenox Branches of the Library, also the number of visitors to the Print Department at the Lenox, during the month:

	LENOX.	Astor.
No. of readers and visitors	4,960	9,782
No. of readers	2,745	9,782
No. of readers, desk applicants	1,398	8,499
No. of volumes consulted by desk applicants.	5,727	28, 349
Daily average of readers	102	362
Number of visitors to Print Exhibit, etc	2,672	

### CIRCULATION DEPARTMENT.

The most popular books of the month were (in non-fiction): Hemstreet's "When Old New York Was Young," Munson's "Art of Phonography," and James's "Talks to Teachers on Psychology;" (adult fiction) Wister's "The Virginian," Wilson's "The Speckled Bird," and Chambers's "Maid-at-Arms;" (juvenile fiction) Hegan's "Mrs. Wiggs of the Cabbage Patch," Alcott's "Little Women," Clemens's "Tom Sawyer."

#### CIRCULATION STATISTICS.

	CIRCUL	ATION.	NEW	READERS II	VOLUMES		
Branches.	HOME USE.	TOTAL.	REGISTRA- TIONS.	MINORS.	TOTAL.	ACCES- SIONED.	
Bond Street	9,649 16,972 12,559 10,910 11,225 9,686 14,496	10, 161 17, 752 14, 769 12, 128 12, 523 12, 259 15, 926	191 461 251 244 292 231 321	834 1,507 1,428 489 1,227 1,185	3,368 4,088 2,210 2,165 2,207 2,573 2,762	152 101 74 88 83 104	
Riverside	4,849 15,053 4,857 11,110 12,001 9,132 21,382	6, 104 17, 110 6, 392 12, 075 13, 556 10, 425 21, 382	117 311 102 222 246 204	1,630 1,724 938 735 1,051 2,501	2,652 2,057 1,535 965 2,676 5,410	30 135 66 107 312 107 463	
	163,911	182,562	3,193	16,580	34,668	2,001	

The more important gifts of the month were: From S. P. Avery, 80 prints, chiefly modern French and German lithographs; from the Oriental Public Library at Bankipur, a copy of its catalogue in Hindustani; from Mrs. R. G. Beardslee, an addition to her gift of educational publications, 171 volumes, 34 pamphlets, and 2 maps; from Mrs. B. F. Stevens and members of the Whittingham family, through Henry J. Brown, 65 volumes and 9 pamphlets, including some scarce early publications, and works of the Chiswick Press, founded by the Whittingham family; from several departments of the Canadian Government, 50 volumes and 2 pamphlets, all public documents; from Mrs. Henry Draper, 71 volumes and 30 pamphlets, including literary annuals and 6 numbers of the Almanach des Dames; from the Colonial Secretary of the Falkland Islands, 7 numbers of the Government Gazette and the report of the Census of 1901; from Worthington C. and Paul L. Ford, 11 pamphlets, 13 broadsides, and 6 manuscripts and 1 land grant; from the Viceroy of India, I volume on the Trigonometrical Survey of India, 1901; from the Adjutant General of India, 7 pamphlets; from General Horatio C. King, 4 volumes and II pamphlets, chiefly his own writings; from Thomas W. Lawson, a copy of his History of the America's Cup; from George A, Lucas, 23 prints; from Johann Meyer, Kiel, 7 volumes and 15 pamphlets, chiefly his own works; from the Publishers' Weekly, 98 volumes and 52 pamphlets; from John Robinson, 6 literary annuals; from Charles Scribner's Sons, 135 prints, nearly all Japan proofs; through the Colonial Secretary of the Straits Settlements, 13 numbers of the Pahang Government Gazette and 1 of the Perak Gazette; from Thomas G. Sugden, 34 prints and 16 wood blocks in various stages; and from S. A. Yefremov, Kiev, "Vik," a Ukrainian anthology, 1798-1898, in 3 volumes.

The exhibition relating to Victor Hugo at the Lenox was replaced by a collection of American wood engravings. Many of the Hugo drawings, etc., were put up in the Astor stands in place of the plates from Molinier.

The new picture bulletins in the circulation branches were as follows: Otten-dorfer, Grapes, Harvest, Rapid transit subway, Insects, Mascagni, Émil Zola, New books; Bruce, The labor question, Naval heroes, Sea stories; Jackson Square, Indoor games and amusements; Harlem, Autumn leaves, Columbus, Illustrations from some good books for adults, Labor, capital and coal, Charles Dickens, George Eliot, Alfred Tennyson; Muhlenberg, New books; Blooming-dale, Bard of Avon, Masters of Music, Legal novels, Cotton; Chatham Square, Sports, Arctic discoveries, Among the miners in the coal strike region, Edmund Clarence Stedman, George W. Cable, San Francisco, Animals, Election day; St. Agnes, Covers of popular juvenile books, Covers of popular adult fiction; Washington Heights, Hallowe'en.

Thur york (City) - Public

### LIST OF WORKS ON ELECTRICITY IN THE NEW YORK PUBLIC LIBRARY.

#### Part I-General Works and Production.

\*\* All works here noted are located in the Astor branch. The list does not include titles in magnetism, animal or physiological electricity, electrotherapeutics, electrohorticulture, electric traction, telegraphy, or telephony. Index entries for periodical articles include only important recent papers. As will be seen from the following synoptical table the titles are grouped into the five broad divisions of General Works, Production, Transmission, Applications, Electro-optics and magneto-optics.

#### T. GENERAL WORKS. '

BIBLIOGRAPHY. HISTORY.

PERIODICALS.
DICTIONARIES.

SYSTEMATIC WORKS.

GENERAL WORKS.

ARMATURE. BRUSH HOLDER.

COMMUTATOR.

(ALTERNATING CURRENT).

(CONTINUOUS CURRENT).

(POLYPHASE CURRENT).

- PARALLEL AND COMPOUND.

TESTING.

DOUBLE CURRENT).

BRUSHES.

TESTING.

DESIGNING.

VOLTAIC ELECTRICITY.

### II.

### PRODUCTION.

STATIC ELECTRICITY. GENERAL WORKS.
ELECTRIC MACHINES. CONDENSERS. CAPACITY. CHARGE. DISCHARGE. BRUSH DISCHARGE. DISCHARGE IN GASES.
DISCHARGE IN VACUA ELECTRICITY OF GASES. DISPERSION. THERMOELECTRICITY.

BATTERIES—GENERAL WORKS.
BATTERIES—Individual Types. STORAGE BATTERIES-GENERAL STORAGE BATTERIES—INDIVIDUAL ELECTRODYNAMICS AND ELECTROMAG-NETISM. GENERAL WORKS.

ELECTROMAGNETS. INDUCTION COIL. INDUCTANCE, DIBLECTRICS. DYNAMOS, GENERATORS, MOTORS.

#### TRANSMISSION.

GENERAL WORKS. CIRCUITS. CONDUCTION. CURRENTS. GENERAL WORKS. INTERRUPTERS. PHOTOGRAPHS. POTENTIAL. RESISTANCE TRANSFORMER. (ALTERNATING). (CONTINUOUS). (CONVECTION). (EARTH).

(Foucault). (High potential). (POLYPHASE). (VAGRANT). ELECTRONS. LEAKAGE. MEASUREMENT. - INSTRUMENTS. POWER PLANTS. GENERAL WORKS. ACCOUNTS. Cost. DESIGN.

IV.

### APPLICATIONS.

HISTORY. GENERAL WORKS. ACCIDENTS. IN AGRICULTURE. IN THE ARMY. ELECTROCHEMISTRY.
PERIODICALS. HISTORY. GENERAL. EDUCATION. ESSAYS. LABORATORIES. ELECTROLYSIS. BIBLIOGRAPHY. SYSTEMATIC WORKS. EARTH CURRENTS.

INSTRUMENTS. IONS. ELECTROMETALLURGY. ELECTROPLATING. ELECTROTYPING. EXHIBITIONS. INSTRUMENTS. LIGHTING. HISTORY. GENERAL WORKS. Associations, Companies, etc. Cost and Price. IN COUNTRY HOUSES. FITTINGS. IURISPRUDENCE. On Ships. In War,

GAS ENGINES FOR. HISTORY. STANDARDIZATION. STATISTICS. RESONANCE. TESTING. THREE PHASE SYSTEM. WAVES. GENERAL. VELOCITY. (HERTZIAN). Wiring.

(Underground).

GENERAL.

REGIONAL, BY COUNTRIES. (ARC). HISTORY. ELECTRIC ARC. GENERAL WORKS. PHOTOMETRY. VARIOUS SYSTEMS. (INCANDESCENT). HISTORY. LAMPS. PHOTOMETRY.
VARIOUS SYSTEMS.

### ELECTRO- AND MAGNETO-OPTICS.

MAGNETO-OPTICS.

ZBEMAN EFFECT.

REGISTERS.

SWITCHES AND SWITCHBOARDS. TABLES.

#### GENERAL WORKS.

#### BIRLIOGRAPHY

Clark (Latimer). List of a selection of works relating to electricity and magnetism exhibited by L. Clark at the Exposition internationale d'électricité. Paris, 1881. 10 pp. 8°.

Franklin Institute of the State of Pennsylvania. Subject catalogue of the Memorial Library of the International Electrical Exhibition . . . Philadelphia, 1885. pm. 8°.

Johnston's classified catalogue of electrical books. New York: W. J. Johnston Co., 1897. 87 pp. 24°.

Leiner ([O.]) Leiner's elektrotechnischer atalog. Die Litteratur der Elektrotechnik, Elek-Leiner's elektrotechnischer tricität, Elektrochemie, des Magnetismus, der Telegrahpie [sic], Telephonie . . . der Jahre 1884 bis 1899 . . Leipsig: O. Leiner, 1899. 102 pp. 4. ed. 8°.

May (G.) Die Weltliteratur der Elektricität und des Magnetismus von 1860-1883, mit besonderer Berücksichtigung der Elektro-Technik. Wien, 1883. 12°. (Elektro-technische Bibliothek, Band 20.)

Osterberg (M.) Synopsis of current electrical literature compiled from [various] technical journals and magazines during 1895. New York: Van Nostrand Co., 1896. 8°. xiii, (2) 143 pp.

Ronalds (Sir Francis). Catalogue of books and papers relating to electricity, magnetism, the electric telegraph, &c.; including the Ronalds library; with biographical memoir; edited by A. J. Frost. (Soc. of telegr. engineers.) London, 1880.

Vean Delaunay (C.) Table chronologique des ouvrages relatifs à l'Electricité. (In his Manuel de l'Électricité. Paris, 1809. pp. 237-270.)

Wegweiser für die elektrotechnische Fachliteratur. Schlagwortkatalog der Bücher und Zeitschriften für Elektrotechnik und verwandte Gebiete einschliesslich der hauptsächlichen ausländischen Literatur. [Leipzig: Hachmeister & Thal,] 1898. 83 pp. 12°.

Young (Thomas). Catalogue electricity. (In his Course of lectures on natural philosophy... London, 1807. 4°. v. 2, pp. 414-36.)

#### GENERAL HISTORY.

Albrecht (G.) Geschichte der Elektricität . . . 67 Abbild. Wien, 1885. 12°.

(Elektro-technische Bibliothek, Band 28.)

Beets (Wilhelm von). Der Anthiel der K. Bayerischen Akademie der Wissenschaften an der Entwickelung der Electricitätslehre. . . . München,

Benjamin (P.) The age of electricity; from ambersoul to telephone. New York, 1892. 12°.

- The intellectual rise in electricity. New York, 1895. 8°.

Houston (E. J.) Electricity one hundred years ago and to-day. New York, 1894. 16°.

**Iles** (G.) Flame, electricity and the camera: man's progress from the first kindling of fire to the wireless telegraph and the photography of color. New York: Doubleday & McClure Co., 1900. xv, 398 pp., 19 pl., 7 port. 8°.

Munro (J.) The story of electricity. 194 pp. London: G. Newnes, 1897. 16°. (Library (The) of useful stories.)

Netoliczka (E.) Illustrierte Geschichte der Elektricität . . . Wien, 1886. 12°.

Urbanitzky (A. von). Elektricität und Magnetismus im Alterthume . . . Wien, 1887. 12°. (Elektro-tech. Bibl., Bd. 34.)

#### HISTORY-BY PERIODS.

Including all works on the theory of electricity from the arliest to the present date, and all other works on the subject earliest to the present published before 1800.

Vollet (J. A.) Essai sur l'électricité des corps. Paris: Frères Guerin, 1746. xx, 2 l., 228 pp., 5 pl. 16°.

Watkins (Francis). A particular account of the electrical experiments hitherto made publick, with variety of new ones, and full instructions for performing them; to which is annex'd, the description of a compleat electrical machine, and its apparatus, with the way of using it . . . London: the author, 1747. 78 pp., 3 pl. 12°.

Winckler (F. H.) Essai sur l'Electricité. Paris, 1748. 12°.

Recueil de traités sur l'électricité, traduits de l'allemand et de l'anglois. Paris, 1748. 3 pt. in 1 v. pl. 16°.

I V. pl. 10.

Contents: x pt. Winckler, F. H. Essai sur la nature, les effets et les causes de l'élec.; trad. de l'allemand. 2. Watson, W. Expériences et observations. .. trad. de l'ang. 3. Freke, J. Essai sur la cause de l'élec. 2. éd., ... trad. de l'ang.—Martin, Benj. Essai sur l'élec., trad. de l'ang.

Franklin (B.) Opinions and conjectures, concerning the properties and effects of the electrical (1749.) 16 pp. (In: Ueber Luftelekmatter. 1746-1753. Berlin, 1898. 8°.) tricität.

 New experiments and observations on electricity. Made at Philadelphia in America . . . and communicated in several letters to Peter Collinson ... of London, F. R. S. [In three parts, with appendix.] London: D. Henry, 1754, 1760, 1762. 1 p. l., ii, 1 l., 154 pp., 1 pl. (3 pts. in 1.) sq. 8°. Each part published separately; pt. 1-2, of the 3, ed. Pt. 3 is of an earlier date (1754), and no edition is mentioned; to which are added a paper by J. Canton read at the Royal Society Dec. 6, 1753, etc.

- Expériences et observations sur l'électricité faites à Philadelphie. . . . Paris: Durand, 1752. 222 pp. 16°.

 Expériences et observations sur l'électricité faites à Philadelphie en Amérique. Traduites de l' anglois . . . par M. d'Alibard. Paris : Durand, 1756. 2. ed. 2 v. 16°.

 Experiments and observations on electricity, made at Philadelphia in America, to which are added, letters and papers on philosophical subjects . . . and illustrated with copper plates. London : D. Henry, 1769. iv, 1 l., 496 pp., 8 l, 6 pl. 8°.

Bookplate of Sir William Johnson inside cover.

 Experiments and observations on electricity. made at Philadelphia in America . . . to which are added, letters and papers on philosophical subjects ... London: F. Newbery, 1774. I p. l. v, 514 pp., 8 l., 7 pl. 5. ed. 8°.

**Boullanger** (M.) Traité de la Cause et des Phénomènes de l'Électricite. *Paris*, 1750. 8°.

Winkler (J. H.) De Imagine motuum coelestium viribus electricis efficta. Lipsiæ, 1750. 4°.

**Nollet** [(Jean Antoine]), abbé. Recherches sur les causes particulières des phénomènes électriques. . . . Paris : Frères Guerin, 1753. xxiii, 444 pp., 7 pl. 3 ed. 12°.

**Beccaria** (J. B.) Lettre sur l'Électricité trad. de l'Italien. *Paris*, 1754. 12°.

**Euler** (J. A.) Disquisitio de causa physica electricitatis. *Petropoli*, 1755. 4°.

**Frisi** (P.) De existentia et motu aetheris, seu de theoria electricitatis, ignis et lucis dissertatio. (In: Euler (J. A.) Disquisitio de causa physica electricitatis. *Petropoli*, 1775. 4°. pp. 29-94, I pl.

**Beraud** (L.) Theoria electricitatis. (In: Euler (J. A.) Disquisitio de causa physica electricitatis. *Petropoli*, 1755. 4°. pp. 95-128.

La Perrière (J. C. F. de). Méchanisme de l'Électricité et de l'Univers. Paris, 1756. 2 v. 12°.

Lovett (Richard). Sir Isaac Newton's æther realized; or, the second part of the subtil medium proved, and electricity rendered useful: being a vindication of that essay... whereby the electrical fluid, and the subtil ætherial fluid of philosophers are... demonstrated to be one and the same thing... London: the Author [1757]. 77 pp. 12°.

Æpinus (F. V. T.) Tentamen theoriæ electricitatis et magnetism. *Petropoli*, 1759. 4°.

**Desideratum** (The); or, electricity made plain and useful, by a lover of mankind and of common sense. vii, 9-72 pp. *London: W. Flexney*, 1760. 12°.

**Parthenius** (J. M.) Electricorum Libri sex. [In verse.] Roma: Salomon, 1767. 8°.

[Hall (Jacobus).] Dissertatio physico-medica inauguralis de electricitate. [Edinburgh, 1771?] 1 p. l., 46 pp. 8°.

Symes (Richard). Fire anal[ysed]; or, the several parts of which it is [compounded] clearly demonstrated by experiments. The Teutonic philosophy proved true by the same experiments, and the manner and method of making electricity medicinal and healing confirmed by a variety of cures. Bristol: T. Cocking, 1771. vii, 92 pp. 12°.

Beccaria (G. B.) Elettricismo artificiale.

Torino [1772?] 4°.

Cavendish (H.) The electrical researches of the Hon. H. Cavendish, written between 1771 and 1781. Edited from the original manuscripts in the possession of the Duke of Devonshire, by J. C. Maxwell. Cambridge: University Press, 1879. lxvi, 454 pp., 3 fac.-sim. 8°.

**Nollet** ([J. A.]) Brieven over de elektrisiteit... Uit het Fransch vertaald, en met eenige aantekeningen, en byvoegfels, meest uit andere werken, van den zelfden schryver vermeerderd... Deel 1-3. *Utrecht: S. de Waal*, 1773-83. 3 v. 16°. With bookplate of John Lincklaen, Cazenovia, N. Y.

**Priestly** (J.) The history and present state of electricity, with original experiments. 4. ed., enlarged. *London*, 1775. p. l. 4°.

— Histoire de l'Électricité, traduite de l'Anglois. Paris, 1771. 3 v. 12°.

Ferguson (J.) Introduction to electricity. 3. ed. London, 1778. 8°.

Pacto van Troostwyk (A.), and Krayenhoff (C. R. T.) De l'application de l'électricité à la physique et à la medicine. Amsterdam: D. G. Chanquion, 1788. xii, 319 pp., 4 pl. 4°.

Gallitain (Dimitri de), Prince. Lettre sur quelques objets d'électricité addressée à l'Académie imperiale des sciences de St. Petersbourg. La Haye: Detune, 1778. 10 pp., 1 pl. 4°.

Marat (J. P.) Découvertes sur le Feu, l'Électricité et la Lumière. Paris, 1779. 8°.

Signud de la Fond (J. R.) Précis historique et expérimentale des phénomènes électriques. Paris, 1781. 8°.

Jacquet [de Malset (Louis Sebastien)]. Proef eener elektrische natuurkunde na't Fransch van den Abt Jacquet. [Preface signed C. R. T. Kraijenhoff.] Utrecht: B. Wild [pref. 1783]. 1 p. l., xiv, 1 l., 528 pp., 2 l., 12 pl. 8°.

Adams (G.) An essay on electricity. London, 1785. 8°.

Coulomb ([C. A.]) Vier Abhandlungen über die Elektricität und den Magnetismus [1785-86]. Uebersetzt und hrsg. von W. König. Leipzig: W. Engelmann, 1890. 88 pp. 12°.

(Ostwald's Klassiker der exakten Wissenschaften, no. 13.)

**Swinden** (J. H. von). Analogie de l'Électricité et du Magnétisme. *La Haye*, 1785. 3 v. 8°.

Tressan (L. E. de la V.) Essai sur le fluide électrique, considéré comme agent universel. Tome 1. lxxx, 396 (2) pp. Paris: Buisson, 1786. 12°.

Haüy (R. J.) Exposition raisonnée de la théorie de l'électricité et du magnétisme, d'après les principes de M. Aepinus . . . xxvii, (5) 238 pp., 4 pl. Paris: Veuve Desaint, 1787. 8°.

[Wilchens (H. D.)] Beiträge zur Lehre von der Elektricität. (In: Wilchens (H. D.) Aufsätze math. Inhalts. Göttingen, 1790. 8°. pp. 32-62.)

Mendenhall (T. C.) A century of electricity. Boston, 1892. 16°.

(Riverside Science Series, v. 1.)

Galvani (L.) Abhandlung über die Kräfte der Electricität bei der Muskelbewegung; hrsg. von A. J. von Oettingen. Leipsig: W. Engelmann, 1894. 76 pp. 12°.

(Ostwald's Klassiker. no. 52.)

Cavallo (Tiberius). A Complete Treatise on Electricity. 4th ed. London, 1795. 3 v. 8°.

Farrar (J.) Elements of electricity, magnetism, and electro-magnetism. (In Venturi's Experimental enquiries. *London*, 1799. 4°.)

**Berthier** (A.) Centenaire de la pile, 1799-1899. Les origines de la pile électrique. (Éclairage électrique. v. 19, pp. 436-440; 468-472. *Paris*, 1899.)

**Tietze** (Giuseppe). La Pila di Volta ed i progressi dell' elettricità. (L'ateneo veneto. anno 22, pp. 108-132. *Venesia*, 1899.)

Child (Charles T.) The first century of electricity. (Electr. Rev. v. 38, pp. 32-40. New York, 1901.)

Hare (Robert), M.D. An essay on the question, whether there be two electrical fluids, according to Du Faye, or one, according to Franklin: [also, Description of an electrical plate machine, and Description of an improved blowpipe, by alcohol] ... n.t. p. n.p. [18—]. 10 pp., 1 pl. 8°.

Thomson (Elihu). Electricity during the nineteenth century. (Smithsonian Inst. Annual rept., 1900. p. 333-358. Washington, 1901.)
Reprinted from the New York Sun, Feb. 10, 1901.

Volta (A.) Collezione del Opere (Electrical, Meteorological, and Chemical). Firenze, 1816. 3 v. in 5. 8°.

Barbançois (Charles Hélion), marquis de. Lettre adressée à M. Delamétherie; contenant un essai sur le fluide électrique. [Incomplete.] Paris, 1817. 12°.

Yelin (J. von). Ueber magnetismus u. Electricität. München, 1818. 4°.

Bostock (John). An account of the history and present state of galvanism. London, 1818. 8°.

Ampère (A. M.), and Badinet (Jacques). Exposé des nouvelles découvertes sur l'électricité et le magnétisme, de MM. Oersted, Arago, Ampère, H. Davy, Biot, Erman, Schweiger, de la Rive, etc. Paris, 1822. 8°.

Elice (F.) Saggio sull' elettricità. Genova: Pagano, 1824. 100 pp. 12°.

Green (G.) An essay on the application of mathematical analysis to the theories of electricity and magnetism. Nottingham, 1828. Facsimile-Druck, Berlin, 1889. 4°.

- Ein Versuch die mathematische Analysis auf die Theorieen der Elektricitaet und des Magnetismus anzuwenden [1828]; hrsg. von A. J. von Oettingen u. A. Wangerin. Leipzig, 1895. 12°. (Oswald's Klassiker, no. 61.)

Faraday (M.) Experimental Researches in electricity. [1st-]3d series. [London, 1831-33.]

pl. 4°.

Experimental Untersuchungen über Elektricität. (Aus den Philosoph. Transact. f. 1832–1838.) Herausgegeben von A. J. v. Oettingen. Reihe 1-13. Leipzig: W. Engelmann, 1896-1901. 13 v. in 5. 12°. (Ostwald's Klassiker. nos. 81, 86, 87, 126, 128.)

- Experimental Researches in Electricity. 3 v. 8°. London, 1839-55.

- Relation by measure of common and voltaic electricity. Read January 17, 1833, before the Royal Society. (In: Fundamental (The) laws of electrolytic conduction . . . New York, 1899. 8°.

Gribel (E. G.) De Relatione Actionum Caloris et Electricitatis. Berolini, 1837. 4°.

Hare (R.) Letter to Prof. Faraday on certain theoretical opinions. [New Haven, 1840.] 8°.

 A brief exposition of the science of mechanical electricity, or electricity proper. Philadelphia: J. G. Auner, 1840. vii, 56 pp. 8°

Karsten (K. J. B.) Imponderabilium præsertim Electricitatis Theoria dynamica. Berolini, 1843. 4°.

Peltier (A.) Essai sur la coordination des causes qui précèdent, produisent et accompagnent les phénomènes électriques. 69 pp., 1 l., 1 pl. (In: Academie royale . . . de Belgique. Mémoires couronnés et mémoires des savants étrangers. Bruxelles, 1847. 4°. v. 19 [no. 3].)

Sturgeon (W.) Scientific Researches, experimental and theoretical, in electricity, magnetism, galvanism, and electro-chemistry. Bury, 1850. 4°.

Quet [(J. A.)] De l'électricité, du magnétisme et de la capillarité. Paris: Imp. Imper., 1867. 2 p. l., 274 pp. 4°.

(Recueil de rapports sur les progrès des lettres et des sciences en France.)

Thomson (Sir William). Reprint of papers on electrostatics and magnetism. London, 1872. il. pl. diagr. 8°.

Maxwell (J. C.) A treatise on electricity and magnetism. Oxford, 1873. 2 v. 8°.

- 3. ed. Oxford, 1892. v. 2.

Thomson (J. J.) Notes on recent researches in electricity and magnetism . . . sequel to Prof. Clerk-Maxwell's treatise . . . Oxford, 1893. 8°.

Neumann (C.) Die elektrischen Kräfte. Darlegung und Erweiterung der von A. Ampère, F. Neumann, W. Weber, G. Kirchhoff entwickelten mathematischen Theorieen. Leipzig: B. G. Teubner, 1873-98. 2 v. 8°.

Cumming (Linnæus). An introduction to the theory of electricity, with numerous examples. London, 1876. 12°.

- 2, ed. London, 1879. 12°.

Zoellner (J. K. F.) Ueber die Existenz bewegter elektrischer Theilchen in allen Körpern. (In his Wissenschaftliche Abhandlungen. Leipzig, 1878. 8°. v. 1, pp. 470-486.)

- Ueber die Ableitung der Adhäsion und Cohäsion aus den dynamischen Kräften der Elektricität. (In his Wissenschaftliche Abhandlungen. Leipzig, 1878. 8°. v. 1, 487-526.)

McClure (J. B.), ed. Edison and his inventions . . . Chicago, 1879. 8°.

Levander (Frederick William). Solutions of the questions in magnetism and electricity set at the preliminary scientific, and first B.Sc. pass examinations, of the University of London, 1800-1879. London, 1880. 16°.

Campbell (Lewis), and Garnett (W.) The life of James Clerk Maxwell, with a selection from his correspondence and occasional writings and a sketch of his contributions to science. London: Macmillan & Co., 1882. xvi, 662 pp., 5 diagr., 2 fac-sim., 3 port. 8°.

Watson (H. W.), and Burbury (S. H.) The mathematical theory of electricity and magnetism. Oxford, 1885-89. 2 v. 8°. (Clarendon Press series.)

Greer (H.) Recent advances in electricity, electric lighting, magnetism, telegraphy, telephony, etc. [New York, 1887?] pm. 8°.

Exner (F.) Vorlesungen über Elektricität . . . Leipzig, 1888. 4°.

Lodge (O. J.) Modern views of electricity. London, 1889. 12°. (Nature series.)

Bertrand (J. L. F.) Leçons sur la theorie mathématique de l'électricité, professées au College de France. Paris, 1890. 4°.

Emtage (W. T. A.) Introduction to the mathematical theory of electricity and magnetism. Oxford, 1891. 12°.

Guillemin (A.) Electricity and magnetism; translated from the French; edited by S. P. Thompson. *London*, 1891. 8°.

**Kirchhoff** (G. R.) Vorlesungen ueber Electricität und Magnetismus. *Leipzig*, 1891. 8°. (Vorlesungen ueber mathematische Physik. Bd. 3.)

Winkelmann (A.), and others. Handbuch der Physik. Breslau, 1891-96. v. 1-3. (3 v. in 5.)

--- Same. 1891-94. v. 1-3.

(Encyk. de Natur. 3. Abth.)

Heaviside (O.) Electrical papers. London, 1892. 2 v. 8°.

Ohm (G. S.) Gesammelte Abhandlungen; hrsg. von Dr. E. Lommel. Leipsig, 1892. 8°.

**Sloane** (T.O.) The arithmetic of electricity . . . 3. ed. rev. New York, 1892. 12°.

Wallentin (I. G.) Einleitung in das Studium der modernen Elektricitätslehre. Stuttgart, 1892. 8°.

Kennelly (Arthur Edwin). Typical American inventions: electricity. Plates. (Shaler, N. S. U. S. of America, v. 2, pp. 134-162. New York, 1894.)

**Martin** (Thomas C.) The inventions, researches and writings of Nikola Tesla... [Port., il.] *New York*, 1894. 8°.

Nipher (F. E.) Electricity and magnetism. A mathematical treatise for advanced undergraduate students. St. Louis, Mo.: J. L. Boland Book & Stationery Co., 1895. xi, 430 pp. 2. ed. 8°.

Rodary (F.) Traité d'électricité: theorie et applications générales. Paris, 1895. 8°.

**Thomson** (J. J.) Elements of the mathematical theory of electricity and magnetism. *Cambridge*, 1895. 12°.

Hertz (Heinrich Rudolph). Miscellaneous papers, with an introduction by Philipp Lenard: tr. by Dr. E. Jones and G. A. Schott. *London:* Macmillan, 1896. xxvi, 340 pp., I port., I map. 8°.

Mascart (É.), and Joubert (J.) Leçons sur l'électricité et le magnétisme. 2e. édition, entièrement refondue par E. Mascart. Tome 1-2. ill. Paris: Masson & Co., 1896-97. 8°.

Curry (C. E.) Theory of electricity and magnetism. With a preface by Ludwig Boltzmann. London: Macmillan & Co., 1897. xv, 442 pp. 8°.

**Thomson** (Elihu). Electrical advance in the past ten years. (Smithsonian Inst. Annual rept. for 1897, p. 125-136. *Washington*, 1898.)

Webster (A. G.) The theory of electricity and magnetism: being lectures on mathematical physics. xii, 576 pp. London: Macmillan & Co., 1897. 8°.

Wuellner (Adolph). Die Lehre vom Magnetismus und von der Elektricität mit einer Einleitung Grundzüge der Lehre vom Potential. 5. Aufl. Leipzig: B. G. Teubner, 1897. 8°.

(Wuellner (A.) Lehrbuch der Experimentalphysik. Bd. 3.)

\_\_\_\_ 3. ed. 1875. (Same. Bd. 4.)

**Bäcklund** (Albert Victor). Elektrische und magnetische Theorien. [2]+58+[2] p. (I.unds univ. årsskrift, v. 34, pt. 2, no. 2. *Lund*, 1898.)
Contents: Ueber die Grundsätze in der Lehre von der Elek-

Contents: Ueber die Grundsätze in der Lehre von der Elektricität,—Vom Erdmagnetismus.

Gray (A.) A treatise on magnetism and electricity. London: Macmillan& Co., 1898. v. 1. 8°.

Rosenberger (F.) Die moderne Entwicklung der elektrischen Principien. Leipzig: J. A. Barth, 1898. 3 p. l., 170 pp. 8°.

Webster (Arthur Gordon). Report on the state of the mathematical theory of electricity and magnetism. (Science. Lancaster, Pa., 1898. 4°. n. s., v. 8, pp. 803-810.)

Lecher (Ernst). Ueber einen experimentellen und theoretischen Trugschluss in der Elektricitätslehre. (Annalen d. Physik u. Chemie. n. s., v. 69, pp. 781-787. Leipzig, 1899.)

Richarz (F.) Neuere Fortschritte auf dem Gebiete der Elektrizität. Leipsig: B. G. Teubner, 1899, vi, 139 pp. 12°.

(Aus Natur und Geisteswelt, Bd. 9.)

Stoegermayr (F. Ph.) Materialistisch-hypothetische Sätze und Erklärung des Wesens und des Kraftäusserungen des elektrischen Fluidums. Bd. 1-2. Wien: A. Hartleben, 1899. 2 v. in I. 12°. (Elektro-technische Bibliothek (A. Hartleben). Bd. 51-52.)

Blaise (F. E.) A travers la matière et l'énergie. Paris: C. Delagrave [1900?]. 3 p. l., 344 pp. 4°.

**Bose** (Jagadis-Chunder). De la généralité des phénomènes moléculaires produits par l'électricité sur la matière inorganique et sur la matière vivante. (Congrès internat. de physique. 1900. Rapports. v. 3, pp. 561-585. *Paris*, 1900.)

Julius (Willem Henri). Bemerkungen über einige Grundsätze der Elektricitätslehre. (Archives néerlandaises. ser. 2, v. 5, p. 497-505. *La Haye*, 1900.)

Raveau (C.) Les progrès de l'électricité en 1899. (L'éclairage électr. v. 22, pp. 21-26. *Paris*, 1900.)

Wolff (O. I. B.) Über den Ursprung der Elektrizität und ihre unmittelbare Wirkungsweise. Leipsig: A. Hoffmann, 1900. xiv, 329 pp. 8°.

**Duhem** (P.) Les théories électriques de James Clerk Maxwell. Étude historique et critique. (Rev. d. questions scientif. ser. 2, v. 19, pp. 5-21. Louvain, 1901.)

**Pessenden** (Reginald). Recent progress in practical and experimental electricity. (Philosoph. Soc. of Wash. Bull. v. 14, pp. 167-178. Wask-ington, 1901.)

Fleming (J. A.) Official obstruction of electric progress. (Nineteenth Century and after. v. 49, pp. 348-363. *London*, 1901.)

**Kelvin** (William Thomson), *1st baron*. Aepinus atomized. (Archives néerlandaises, ser. 2, v. 6, p. 834–861. *La Haye*, 1901.)

—— (London, Edinburgh and Dublin Philosophical Magazine. ser. 6, v. 3, pp. 257-283. London, 1902.)

Voigt (Woldemar). Erweiterte Elasticitätstheorie. (Kön-preuss. Akad. d. Wissensch. Sitzungsb. 1901, p. 1266–1269. *Berlin*, 1901.)

**Skeels** (Arthur A.) The real nature of electricity and magnetism. (Journ. of the assoc. of engineering soc. v. 28, pp. 368-378. *Philadelphia*, 1902.)

**Stanley** (William). An interesting fragment of electrical history [1884-1902]. [Affidavit submitted on testimony in a suit by the Westinghouse

Co. against the Stanley Electric Mfg. Co.] (Engineering News. v. 48, pp. 278-280. New York, 1902.)

Child (Charles T.) Twenty years of electrical development. (Electr. Rev. v. 40, pp. 199-204. New York, 1902.)

#### PERIODICALS.

Almanach-annuaire de l'électricité et de l'électro-chimie. France-Belgique-Suisse. [Edited by] Firmin Leclerc. Année 1-9 (1885-1893). Paris, 1885-1893. 12°.

American Electrician: a journal of practical electrical and mechanical engineering. v. 11-date. New York [1899]-date. F°.

Current, Monthly,

American Institute of Electrical Engineers. Transactions. v. 1-18. New York, 1884-1902. 8°.

Annales d'électricité et de magnétisme. Publiés . . . sous la direction de G. Dumont, 1889-92. 2 v. Paris [1891-93]. 4°.

Discontinued.

**Annales** télégraphiques. v. I (1855); [sér. 2], v. 2–8 (1859–65); ser. 3, v. 1–23 (1874–97). 31 v. *Paris* [1855–97]. 8°.

None published between 1855 and 1859, nor between 1865 and 1874. None in 1866.

Annals (The) of Electricity, Magnetism, and Chemistry; and Guardian of experimental science. Conducted by W. Sturgeon, . . . and assisted by gentlemen eminent in these departments of philosophy. v. I-10. London, 1837-43. 8°. Monthly.

**Annuaire** de l'électricité...[par] A. Révérend. v. 1 [-3] (1883-85); 1897. 4 v. *Paris*, 1883-97. 8°.

1897 has title: Annuaire de l'électricité et des industries électriques [par] C. Rousset.

**Bulletin** international de l'électricité. v. 16-date. *Paris*, 1897-date. F°. Current. Weekly.

Bulletin des usines électriques; organe du Syndicat professionel des usines électriques. v. Idate (1896-date). Paris [1899?-date]. F°. Current. Bimonthly.

Canadian Electrical News and steam engineering journal. n. z. v. 3 no. 10; v. 7-date (1893, 97-date). Toronto, 1893-date. F°. Current. Monthly.

Centralblatt für Accumulatoren- und Elementenkunde. Organ für Wissenschaft und Technik. Hrsg. von F. Peters. Jahrg. I-date (1900-date). Halle a. S., [1900-date]. 4°. Current. Semi monthly.

Centralblatt für Elektrotechnik; erste deutsche Zeitschrift für angewandte Elektricitätslehre. Hrsg. von F. Uppenborn, jun. v. 5-12. 8 v. München und Leipzig, 1883-89. 4° and f°.

Direct continuation of Zeltschrift für angewandte Elektricitätslehre (v. 1-4). Made a weekly July, 1889. United with Elektrotechnische Zeitschrift Jan., 1890.

Éclairage (L') électrique. Revue hebdomadaire... v. 1-date. Paris, 1894-date. 4°.

Current. v. 1-2 sub-title reads: Revue d'électricité parais sant tous les samedis.

Electric Power. v. 15, 224, 329-36, 437-49, 551, 64 661, 65, 68, 95 (1889-93, '96). New York, 1889-96. 4°.

Electrical Engineer: a journal of electrical engineering, with which is incorporated "Electric Light." n. s. v. 20-24 London [1897-1900]. 8°. Currént. Also numbered: old ser., v. 26-27.

**Electrical** Age. An illustrated weekly electrical journal. v. 9, nos. 36, 47-52 (1891); v. 10, nos. 1-3, 5-53 (1892); v. 11, nos. 1-26 (1893); v. 12, nos. 1-6 (1893); v. 13, nos. 1-16, 18-26 (1894); v. 14, nos. 1-19 (1894); v. 15, nos. 402, 408 (1895); v. 20, nos. 529-530, 533 (1897); v. 23, no. 626 (1899); v. 29, no. 1 (1902). *New York*, 1891-1902. F° and 4°.

Electrical (The) Engineer: a weekly review of theoretical and applied electricity. v. 6-7 (suppl. no.); v. 8-26 (1884, 1887-98). New York, 1884-98. sm. f°.

Continuation of Electrician Extra. Oct. 4, 1892, Decision of the U. S. Circuit Court of Appeals upholding the Edison Incandescent Lamp patent.

Electrical Review. v. 2-date. New York, 1883-date. F°.

Current. v. 2-18, edited by G. Worthington. v. 19-30 by C. W. Price. Weekly.

Electrical review. v. 30-date. London, 1892-date. F°.
Current. Direct continuation of Telegraphic journal, v. 1-29. Weekly.

29. Weekly.

Electrical World: a weekly review of current progress in electricity and its practical applications.

v. 1, nos. 17, 21, 27-29, 32; v. 2, nos. 1-2, 4, 6, 8-9, 15-18; v. 3-8; v. 9, nos. 1-5, 8-20, 22-26; v. 10, nos. 1-22, 24-27; v. 11, nos. 9, 24-26; v. 12, nos. 1, 3-4, 6-16, 19, 25-26; v. 13, nos. 5, 18, 23-25; v. 14, nos. 4, 12; v. 15, nos. 17, 19, 21, 23-26; v. 16, nos. 1, 3-7, 9, 11, 13-14, 16-25; v. 17, nos. 1-2, 4-6, 9-14, 16, 23; v. 18, nos. 5-8, 11; v. 19-23; v. 24, nos. 1-17, 19; v. 25, nos. 4-7; v. 29-date (1883-date). New York, 1883-date. F°.

Curren

**Electrician.** v. 1-6 (1882-87). New York, 1882-87. 4°.

Continued later as: Electrical engineer. In v. 4 is added to the title "and electrical engineer."

**Electrician** (The): a weekly journal of theoretical and applied electricity and chemical physics. v. 1-date. *London*, 1878-date. F°.

Current.

Current.

**Électricien** (L'): revue générale d'électricité paraissant le 1er et le 15 de chaque mois. Comité de rédaction: E. Mercadier, C. M. Gariel [et al.]. Sécr. de la rédaction, E. Hospitalier. v. 1-14 (1881-90). 2 sér. v. 1-date (1891-date). Paris, 1881-date. 8°.

Current. In Jan., 1891, the Revue internationale de l'électricité was united with L'Électricien, and the sub-title was changed accordingly.

— Supplément . . . du 1° Oct. 1881. . . . Historique de l'armée du service des signaux des États-Unis, et catalogue spécial de la section de ce service à l'Exposition Internationale d'Électricité. [By W. B. Hazen.] [Paris,] 1881. 8°.

Électricité. Revue scientifique illustrée . . . v. 1-17 (1876-'93). Paris, n. d. 4°.

v. 1-17 also called: Année 1-18.

**Electricity.** A popular electrical and financial journal. v. 122, v. 26, 11 (1891-92). v. 5<sup>13</sup>, 6<sup>1</sup>, 7<sup>1</sup>7, 8<sup>14</sup>, 12<sup>12</sup>, 20, 13-date (1893-date). New York, [1892]-date. F°.

Periodicals, cont'd.

Electro-Techniker (Der). Erstes österreichischungarisches Fachjournal. Organ für angewandte Electricität. v. 16-date (1897)-date. Wien, 1897date 8°. Current, Monthly.

Elektrotechnische Rundschau. v. 15-date (1897/98-date). Frankfurt a M., [1897-]date. F°. Current. Semi monthly.

Elektrotechnische Zeitschrift. Hrsg. vom elektrotechnischen Verein. Red. von K. Ed. Zetzsche. v. I-date. Berlin, 1880-date. 4° and f°.

Current. Monthly. In 1890 united with the Centralblatt für Elektrotechnik, previously published in Munich, and made a weekly, published in Berlin and Munich. Became Organ des Verbalde deutscher Elektrotechniker in 1894.

**Energie** électrique . . . Année 4-7132 (1896-1900). *Paris*, 1896-1900. F°.

Discontinued.

Étincelle (L') électrique. Journal élémentaire d'électricité. A l'usage des amateurs, des practi-ciens et des consommateurs d'électricité. Directeurgerant L. Gotard. Année 5-date. Paris, 1898date. 4°.

Current. Année 5-6 is also called v. 4-5. Semi monthly. Fortschritte der Elektrotechnik. Vierteljährliche Berichte . . . hrsg. von K. Strecker. v. I-date (1887-date). Berlin, 1888-date. 8°.

Industrie (L') électrique: revue de la science électrique et de ses applications industrielles. Paraissant le 10 et le 25 de chaque mois. Red. en chef, E. Hospitalier. v. 1-8. Paris, 1892-99. F°.

Institution of Electrical Engineers. Journal, including original communications on telegraphy and electrical science. v. 1-date (1872-date). Index, 1-10, 11-20. London and New York, 1872date. 8°.

Current. v. z-z7 have title: Journal of Society of Telegraph Engineers. 6 nos. a year.

Journal du gaz et de l'électricité. Directeur: P. Thiercelin. v. 17-date (1897-date). [Paris,] 1897-date. 4°.

Current, Semi monthly.

Kalender für Elektrotechnik: bearb. von J. Krämer. v. 1-12 (1887-98). Wien [1886-98]. 16°.

Leland Stanford Junior University. Publications. Studies in electricity, no. 1. Palo Alto, 1892.

**London** Electrical Society. Proceedings during the sessions 1841-43. Ed. by C. V. Walker. I v. London 1843. 8°.

Lumière (La) èlectrique : journal universel d'électricité-revue scientifique illustrée. Applications de l'électricité, lumière électrique, télegraphie et télephonie, science électrique, etc. v. 1-53. Paris, 1879-94. 4°.

Discontinued.

Manual of electrical undertakings. Compiled under the direction of E. Garcke. v. 1-6 (1896, 1898-1901/02). London, 1896-1901. 12°.

National Conference of Electricians. Proceedings, 1884. New York, 1884. 16°.

Rovue internationale de l'électricité et de ses applications. Directeur: A. Montpellier. v. 1-11. Paris, 1885-90, 4°.

Monthly. United with l'Électricien, Jan., 1891.

Sammlung elektrotechnischer Vorträge . . . Herausgegeben von E. Voit. v. 1-date. Stuttgart, 1899-date. 8°.

Current Irregular.

Société belge d'électriciens. Bulletin. v. 14date (1807-date). Bruxelles, 1807-date. 8°. Current. Quarterly.

Société internationale des électriciens. Bulletin. v. 1-date. Paris, 1884-date. 4°.

Current. Monthly.

Telegraphic (The) Journal and Electrical Review. v. 1-29. London, 1872-91. 4° and f°.

Western Electriciam v. 108; 136; 20-date (1892-93, 97-date). Chicago, 1892-date. 8°.

Current. Weekly.

Zeitschrift für angewandte Elektricitätslehre, mit besonderer Berücksichtigung der Telegraphie, des elektrischen Beleuchtungswesens, der Galvanoplastik und verwandter Zweige. Hrsg. von Ph. Carl. v. 1-4. *München*, 1879-82. 8

Continued as Centralblatt für Elektrotechnik.

Zeitschrift für Elektrotechnik. Organ des elektrotechnischen Vereines in Wien. v. 1-date. Wien, 1883-date. 4°.

Current. v. 1 has title : Zeitschrift des elektrotechnischen Vereines in Wien.

#### DICTIONARIES.

Greer (H.) A dictionary of electricity; or, The electrician's hand-book of reference . . . New York, 1882. 16°.

**Biscan** (W.) Kleines Handwörterbuch der Elektricität. *Wien*, 1884. 16°.

**Dumont** (G.), Le Blane (M.), et La Bédoyère (E. de). Dictionnaire d'électricité et de magnetisme . . . . Paris [1887]. 4°.

Houston (E. J.) A dictionary of electrical words, terms and phrases. New York, 1889. 12°.

Lefévre (J.) Dictionnaire d'électricité et de magnétisme. Paris, 1891. 8°.

Sloane (T. O'C.) Electrical dictionary; standard . . . of words and terms used in the practice of electrical engineering. London, 1893. 12°.

Sack (J.), and Wilke (A.) Elektrotechnisches Wörterbuch, Englisch, Französisch, Deutsch. Leipsig, 1895. 8°.

Houston (E. J.) A dictionary of electrical words, terms and phrases. 3rd ed., greatly enlarged. vi, 667 pp. ill. New York: The W. J. Johnston Co., 1896. 8°.

Woerterbuch der Elektricität und des Magnetismus. Ein Hand- und Nachschlagebuch zur Erklärung . . . der elektrischen und magnetischen Ausdrücke . . . Hrsg. von W. Weiler. Leipzig : M. Schäfer [1898]. 2 p. l. iv, 632 pp. 4°.

Blaschke (Paul). Wörterbuch der Elektro-technik in drei Sprachen. Mit einem Vorwort von F. Niethammer. Teil 1-2. Leipzig: S. Hirzel, 1901-1902. 2 v. 4°.

Teil z. Deutsch-Französisch-Englisch. Teil z. Französisch-Deutsch-Englisch.

Isendahl (W.) Maschinentechnisches Taschenwörterbuch in drei Sprachen mit besonderer Rücksicht auf Automobilismus und Elektrotechnik. Französisch-Deutsch-Englisch. Berlin: G. Siemens, 1902. iv, 176 pp. 16°.

#### SYSTEMATIC WORKS.

Works before 1800 are included in History. See also Applications below.

Cuthbertson (J.) Practical electricity and galvanism, containing a series of experiments calculated for the use of those who are desirous of becoming acquainted with that branch of science...

London: f. Callow, 1807. xx, 271 pp., 8 p.l. 5°.

Veau Delaunay (Claude). Manuel de l'électricitè, . . . suivi d'une table chronologique de tous les ouvrages relatifs à l'électricité. *Paris : L. Duprat-Duverger . . .*, 1809. 2 p.l., iv, 272 pp., 2 l. 12°.

**Singer** (George John). Elements of electricity and electro-chemistry. *London*, 1814. pl. 8°.

Farrar (J.) Elements of electricity, magnetism, and electro-magnetism; ... second part of a course of natural philosophy. Cambridge, N. E., 1826. pl. 8°.

Lardner (D.), and Walker (C. V.) A Manual of Electricity, Magnetism, and Meteorology. London [1830]. 2 v. 8°.

**Thomson** (T.) An outline of the sciences of heat and electricity. *London: Baldwin & Cradock*, 1830. xii, 583 pp., I pl. 8°.

Roget (Peter Mark). Electricity;—Galvanism;—Magnetism;—Electro-magnetism. (In Soc. Diff. Usef. Kn. Lib. Usef. kn. Nat. phil., v. 2. 1832.)

Becquerel [(A. C.)] Traité expérimental de l'électricité et du magnétisme, et de leurs rapports avec les phénomènes naturels. Paris: Firmin Didot Frères, 1834-40. 7 v. 8° and atlas, sq. 4°.

Leithead (W.) Electricity: its nature, operation, and importance in the phenomena of the universe. xiv, 1 l., 399 pp. London: Longman, Orme, Brown, Green, and Longmans, 1837. 16°.

Harris (Sir W[illiam] Snow). Rudimentary electricity: being a concise exposition of the general principles of electrical science, and the purposes to which it has been applied. London: f. Weale, 1848. 2 p. l., iii-iv, 160 pp., 1 pl. 12°.

— 4. ed. With considerable additions, including extracts from the Cavendish papers. London: J. Weale, 1854. vi, 195 pp., I pl. 12°.

**Noad** (H. M.) Lectures on electricity, comprising Galvanism, Magnetism, Electro-Magnetism, Magneto- and Thermo-Electricity and Electro-Physiology. Third Edition, greatly enlarged, illustrated by 300 woodcuts. *London*, 1849. 8°.

Harris (W. S.) Rudimentary electricity: being a concise exposition of the general principles of electrical science and the purposes to which it has been applied. 3. ed. . . . vi, 195 pp., 1 pl., ill. London: J. Weale, 1853. 16°.

La Rive (A. de). A Treatise on Electricity. London, 1853. 8°.

— Traité d'électricité théorique et appliquée. tome 1-3. Paris: J. B. Baillière, 1854-58. 3 v. 8°.

— Treatise on electricity [continued]; v. 2-3; translated by C. V. Walker. *London*, 1856-58. 2 v. il. 8°.

Gavarret (L. D. J.) Traité d'électricité. Paris : V. Nasson, 1857-58. 2 v. 12°.

**Bakewell** (F. C.) A manual of electricity, practical and theoretical. 2d ed. *London and Glasgow*, 1857. il. 12°.

--- [Same.] 3d ed. London and Glasgow, 1859. il. 12°.

**Noad** (H. M) A manual of electricity... 4th ed. *London*, 1859. il. pl. 8°.

**Scoffern** (J.) Elementary chemistry; the imponderable agents: light, heat, electricity, magnetism; the simple chemical bodies, and their inorganic compounds. New ed. (1861).

(In Orr (W. S.) Circle of the Sciences. v. 6.)

Ferguson (Robert M.) Electricity. (Chambers' Educational course.) London and Edinburgh, 1867. 16°.

— [Same.] London and Edinburgh, 1873. 16°.

Jenkin (Fleeming) Electricity and magnetism.

London, 1873. il. 12°.

(Text books of science.)

**Pepper** (J[ohn] H[enry]). Chemistry. Electricity. Light. *London: F. Warne & Co.* [187-?]. 3 p. l., iii-iv, 144, 2 l., 146, iv, 126 pp. 12°.

— Electricity: embracing voltaic, galvanic, or dynamical electricity. London [1873?]. il. 12°.

Guthrie (Frederick). Magnetism and electricity. New York: G. P. Pulnam's Sons [pref. 1875]. 364 pp. 12°.

(Putnam's advanced science series.)

**Sprague** (J. T.) Electricity; its theory, sources, and applications. *London*, 1875. 12°.

Tyndall (J.) Lessons in electricity at the Royal Institution, 1875-76. London, 1876. il. 12°.

— Notes of a course of seven lectures on electrical phenomena and theories, at the Royal Inst., 1870. New ed. *London*, 1876. 12°.

Guthrie (Frederick). Magnetism and electricity. London and Glasgow, 1876. il. 16°. (Collins' Advanced Sci. Ser., 9.)

Riemann (G. F. B.) Schwere, Elektricität und Magnetismus; nach den Vorlesungen von R., bearbeitet von Karl Hattendorff. *Hannover*, 1876.

Tyndall (J.) Light and electricity; notes of his courses of lectures before the Royal Institution of Great Britain. New York: D. Appleton & Co., 1878. 194 pp. 8°.

**Noad** (Henry M.) The student's text book of electricity. London. New ed., with additional chapters by W. H. Preece. London, 1879. 8°.

Gordon (J. E. H.) A physical treatise on electricity and magnetism. New York, 1880. 2 v.

Jenkin (F.) Electricity. London [1881]. 16°. (Manuals of elementary science.)

**Maxwell** (J. C.) An elementary treatise on electricity. *Oxford*, 1881. 8°. (Clarendon Press Series.)

**Tyndall** (J.) /Lessons in electricity; to which is added an elementary lecture on magnetism. ill. (Humboldt Library, no. 18. 1881.)

**Thompson** (S. P.) Elementary lessons in electricity and magnetism. *London*, 1882. 16°.

Wiedemann (G.) Die Lehre von der Elektricitaet; zugleich als 3. voellig umgearebeitete Auflage der Lehre vom Galvanismus und Elektromagnetismus. Braunschweig, 1882-85. 4 v. in 5. 8°

Systematic Works, cont'd.

Lockwood (I. D.) Electricity, magnetism and electric telegraphy. Handbook, New York, 1883.

Jenkin (F.) Electricity and magnetism. 7. ed.

London, 1883. 16°.
(Text-books of science.)
Freelich (O.) Handbuch der Elektricität und des Magnetismus... 2. Aufl. Berlin, 1887. 2 v.

Forbes (G.) A course of lectures on electricity, delivered before the Society of Arts. London Longmans, Green & Co., 1888. vi, 1 l, 163 pp. 12°.

Meadowcroft (W. H.) The ABC of electricity. New York [cop. 1888]. 12°.

Angell (J.) Elements of magnetism and electricity. New York [1890]. 16°. (Putnam's elementary science series, no. 9.)

Stewart (R. Wallace). A text-book of magnetism and electricity... 3. ed. London: W. B. Clive [189-?]. viii, 344 pp. 12°.

(The University Tutorial Series. Tutorial Physics, v. 4.) Elektricität und Magnetismus. (In: Winkel-

mann (A.) and others. Handbuch der Physik. Breslau, 1891-96. 8°. v. 3, pt. 2.)

Also in Encycklopaedie der Naturwissenschaften. v. 3.

Fleming (J. A) Short lectures to electrical artisans. 4. ed. London, 1892. 12°.

Sprague (J. T.) Electricity; its theory, sources, and applications. 3. ed. London, 1892. 12°.

**Burch** (G. J.) A manual of electrical science. London, 1893. 12°.
(University Exten. Series.)

Gerard (E.) Leçons sur l'électricité, professées à l'Institute Electro-technique Montefiore, annexé à l'Université de Liége. 3. éd. Paris, 1893. 2 v. 4°.

Houston (E. J.) Electricity and magnetism: a series of advanced primers of electricity. New York, 1893. 12°.

Atkinson (P.) Electricity for everybody; its nature and uses explained. xi, (1) 239 pp. 1 port. ill. New York: The Century Co., 1895. 12°.

Benischke (G.) Magnetismus und Elektrizität mit Rücksicht auf die Bedürfnisse der Praxis. xiii, (1) 272 pp., ill. Berlin: J. Springer, 1896. 8°.

**Lodge** (O. J.) Neueste Anschauungen über lektricität. Übersetzt von Anna von Helmholtz Elektricität. Übersetzt von Anna von Helmholtz und Estelle Du Bois-Reymond. Herausg. durch Richard Wachsmuth. Leipzig: J. A. Barth, 1896.

xv, 539 pp. 12°.

Trowbridge (J.) What is electricity? vii, (1) 315 pp., ill. New York: D. Appleton & Co., 1896. 12

(International Scientific Series, vol. 75.)

Callou (L.) Électricité pratique. Cours prosessé à l'École supérieure de maistrance de Brest. Paris: A. Challamel, 1897. vi, 393 pp. 2. ed. 4°. (Applications de l'électricité dans la marine.)

Gorard (Eric). Leçons sur l'électricité; pro-fessées à l'Institut électrotechnique Montefiore annexé à l'université de Liège. 5. éd. Paris: Gauthier-Villars et Fils, 1897-98. 2 v. 8°.

Graetz (L.) Kurzer Abriss der Elektricität. Stuttgart: J. Engelhorn, 1897. vi, 183 pp. 8°.

Wallentin (Ignaz G.) Lehrbuch der Elektricität und des Magnetismus . . . viii, 394 pp. Stuttgart: F. Enke, 1897. 8°.

Dacremont (É.) Électricité. Paris: C. Dunod, 1898-99, 2 v. 8°.

v. 1. Théorie et production.
2. Applications industrielle.

Fleming (J. A.) Magnets and electric currents, an elementary treatise for the use of electrical artisans and science teachers. London: E. & F. N. Spon, 1898. xv, 408 pp. 12°.

Henderson (J.) Practical electricity and magnetism. London: Longmans, Green & Co., 1898. xvi, 388 pp. 12°. (Physical and electrical engineering laboratory manuals.

v. 2.)

Jude (R. N.) First stage magnetism and electricity. (Treated from the standpoint of potential and potential-gradient.) . . . London : W. B. Clive [1898]. vi, I l., 350 pp. 12°.

(Organised sciences series.)

Daniels (M. Fr.) Elektrizität und magnetismus. Autorisierte deutsche Bearbeitung von Dr. A. Gockel. Freiburg (Schweiz): B. Veith, 1899. 2 p. l., 307 pp. 8°.

#### PRODUCTION.

FRICTIONAL (STATIC) ELECTRICITY.

Books before 1800 are grouped above with HISTORY.

Poisson (S. D.) Mémoire sur la distribution de l'électricité dans une sphère creuse électrisée par influence. Paris, 1812. 8 pp. 4°.

- Mémoire sur la distribution de l'électricité à la surface des corps conducteurs. Paris, 1813. 92 pp. 4°.

- Second mémoire sur la distribution de l'électricité à la surface des corps conducteurs. Paris, 1813. 4°.

Kaemtz (L. F.) De Legibus Repulsionum electricarum Mathematicis. Hala, 1822. 8°.

Mayer (J. T.) Commentatio super legem actionis vis electricæ repulsivæ in Distantiam. Experimenta et Disquisitiones. Gottingæ, 1822. 4°.

Ermerius (J. J.) De Lege Repulsionis Electricæ. Lugd. Bat., 1827. 4.

Francis (G.) Electrical experiments; illustrating the theory, practice, and application of the science of free or frictional electricity; containing the methods of making and managing electrical apparatus of every description. London : D. Francis, 1853. 2 p. l., 92 pp. 6. ed. 8°.

Riess (P. T.) Die Lehre von der Reibungselektricität. Berlin, 1853. 2 v. 8°.

Grinwis (Cornelius Hubertus Carolus). Specimen physico-mathematicum de distributione fluidi electrici in superficie conductoris . . . 5 p. l., ix-xii, 72 pp. Trajecti ad Rhenum: Post Uiterweer & Soc., 1858. 8°.

Harris (W. S.) A treatise on frictional electricity in theory and practice. London, 1867. 8°.

Reiss (Peter Theophil). Abhandlungen zu der Lehre von der Reibungselektricität. Berlin, 1867-79. 2 v. in 1. il. pl. 8°.

Mascart (Eleuthère Élie Nicolas). Traité d'électricité statique. Paris, 1876. 2 v. il. 8°. Traité

Mensbrugghe (G. van der). L'électricité statique exerce-t-elle une influence sur la tension superficielle d'un liquide? 28 pp. (In: Mémoires

Frictional Electricity, cont'd.

couronnés et mémoires des savants étrangers publiés par l'Académie royale...de Belgique. Bruxelles, 1876. 4°. t. 40.)

Frantzen (Antoine Galenus Jean Norbert). De verdeeling der electriciteit over een geleidend bolvormig segment . . . xii, 84 pp. *Utrecht : K. A. Manssen*, 1877. 8°.

Zoellner (J. K. F.) Theorie der Elektricitätserregung bei der Berührung und Reibung der Körper. (In his Wissenschaftliche Abhandlungen. Leipsig, 1878. 8°. v. 2<sup>1</sup>, pp. 150–166.)

Gordon (J. E. H.) Four lectures on static electric induction, delivered at the Royal Institution of Great Britain, 1879. New York, 1881. 16°.

**Neumann** (Dr. [K. G.]) Hydrodynamische Untersuchungen, nebst einem Anhange über die Probleme der Elektrostatik und der magnetischen Induction. Leipzig: B. G. Teubner, 1883. xl, 320 pp. 8°.

Zenger (K. W.) Die Spannungs-Elektricität: ihre Gesetze, Wirkungen und technischen Anwendungen. Wien, 1884. 12°.

(Elektro-tech. Bibl., Bd. 19.)

Kleyer (A.) Lehrbuch der Reibungselektricität . . . Stuttgart, 1886 8°.

Atkinson (P.) Elements of static electricity, with full description of the Holtz and Topler machines . . . New York, 1887. 12°.

**Neumann** (Ernst). Über die Anwendung eines eigentümlichen Reduktionsversahrens auf elektrostatische Probleme . . . *Halle a. S. : Buchdr. d. Waisenhauses*, 1899. 3 p. l., 23 pp. 4°.

**Sella** (Alfonso). Sulla forma della superficie libera di un liquido pesante in presenza di un corpo elettrizzato. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 9, pt. 2, p. 80-86. *Roma*, 1900.)

**Dorrie** (H.) Ueber die Verteilung der Elektricität auf dem Ellipsoid. (Annalen d. Physik. ser. 4, v. 4, pp. 638-641. *Leipzig*, 1901.)

#### Electric machines.

Molenier (J.) Essai sur le Méchanisme de l'Électricité, et l'utilité que l'on peut en tirer pour la guérison de quelques Maladies. Bordeaux, 1768. 8°.

Marum (M. Van). Beschreibung einer ungemeiner grossen Elektrisir-Machine im Teylerischen Museum, mit Fortsetzung. Leipsig, 1786-88. 4°.

Mueller (E. R.) Die Elektrischen Maschinen unter Berücksichtigung ihrer geschichtlichen Entwickelung. Hamburg, 1890. 8°.

(Virchow Samml, wissenschaftl, Vorträge, n. F. 5. Serie, Heft, 210.)

Fuellner (E.) Beitrag zur Kenntnis der Elektrisiermaschine. Erlangen: A. Vollrath, 1896. 32 pp., 1 l. 8°.

#### Condenser, Leyden Jar, etc.

**Boeck** (Adolf Lodewijk). Theorie van den electrischen condensator . . . 2 p. l., 121 pp., 1 pl. *Utrecht : P. W. van den Weijer*, 1865. 8°.

**Dell** (Alfred G.) Experiments on induction coil condensers. (Electrical Rev. New York, 1898. f°. v. 33, p. 316.)

Lori (Ferdinando). Studio sperimentale sopra la capacità dei condensatori. (R. accad. d. Lincei.

Rendic. classe di sci. fis. ser. 5, v. 7, pt. 1, p. 150-157; pt. 2, p. 55-61. Roma, 1898.)

Swyngedauw (R.) Étude expérimentale et théorique de la décharge dérivée d'un condensateur. Lille: Univ. de Lille, 1898. 2 p. l., 32 pp. 8°. (Université de France. Travaux et mémoires des facultés de Lille, v. 6, no. 10.)

Barton (E. H.), and Morton (W. B.) On the criterion for the oscillatory discharge of a condenser. (Physical Soc. of Lond. Proc. v. 16, pp. 465-473. London, 1899.)

Rôiti (Antonio). Due scariche derivate da un condensatore. Illus. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 8, pt. 1, p. 12-20. Roma, 1899.)

Sundell (August Fredrik). Ueber das Decrement elektrischer Schwingungen bei der Ladung von Condensatoren. 25 p. (Finska vetenskaps societeten. Acta, v. 24, no. II. Helsingforsia, 1899.)

Adams (Alton D.) Condensers and economizers. (Electr. Rev. v. 37, pp. 171-172. New York, 1900.)

**Briggs** (Lyman J.) A new form of electrical condenser having a capacity capable of continuous adjustment. (Physical Rev. v. 11, pp. 14-21. *Lancaster*, Pa., 1900.)

Cantone (Michele), and Sozzani (Francesco). Nuove ricerche intorno alla deformazione dei condensatori. (Rendiconti Ist. Lomb., serie 2, vol. 33, p. 1059. *Milano*, 1900.)

Johnson (K. R.) On the theory of the function of the condenser in an induction-coil. (Lond., Edinb. and Dub. Philosoph. Maga. and Jour of Sci. ser. 5, v. 49, pp. 216–220. London, 1900.)

**Leblanc** (Maurice). Sur l'emploi des condensateurs. (L'éclairage électrique. v. 25, pp. 264-270. *Paris*, 1900.)

Lodge (Oliver Joseph), and Glazebrook (R. T.) Experiments on the oscillatory discharge of an air condenser, with a determination of "v." 12 illus. (Cambridge philos. soc. Trans. v. 18, pp. 136-196. Cambridge, 1900.)

**Drysdale** (Charles V.) Dielectric losses in condensers and cables, and their bearing on electrical supply. (Electrician. v. 46, pp. 890-892. *London*, 1901.)

Fouché (Frédéric). Aerocondenseur de 4,500 chevaux. (Mém. et compte rendu d. trav. Soc. ingén. civils de France. Bull. 1901. v. 2, pp. 651-661. Paris, 1901.)

**Braun** (Ferdinand). Ueber die Erregung stehender elektrischer Drahtwellen durch Entladung von Condensatoren. (Annalen d. Physik. ser. 4, v. 8, pp. 199-211. *Leipzig*, 1902.)

#### Capacity.

Lang (Viktor), Edler von. Bestimmung der Capacität mit der Wage. (Kais. Akad. d. Wissensch. Math-naturwiss. Classe. Sitzungsb. v. 106, pt. 2a, pp. 290–294. Wien, 1897.)

**Breisig** (F.) Ueber die Berechnung der elektrostatischen Kapacität oberirdischer Leitungen. (Elektrotechnische Zeitschr. *Berlin*, 1898. F°. v. 19, pp. 772-776.)

Capacity, cont'd.

Guilbert (C. F.) Application de la méthode des imaginaires au problème de la capacité uniformément répartie. (L'Éclairage électrique. *Paris*, 1898. 4°. v. 17, pp. 177-186.)

**Leblane** (Maurice). De l'influence de la capacité sur l'isolation des circuits parcourus par des courants alternatifs. (Éclairage électr. v. 21, pp. 81-94; 172-180. *Paris*, 1899.)

#### Charge.

**Thomson** (Joseph John). On the charge of electricity carried by the ions produced by Röntgen rays. I illus. (Philos. mag. ser. 5, v. 46, pp. 528-545. *London*, 1898.)

**Koesters** (Wilhelm). Ueber die elektrische Ladung elektrolytisch frisch hergestellter Gase. (Annalen der Physik u. Chemie. n. s., v. 69, pp. 12-33. *Leipzig*, 1899.)

**Henderson** (W. Craig). Experiments to determine whether a liquid when electrified loses any portion of its charge by evaporation. (London, Edinburgh and Dublin Philosoph. Maga. v. 50, pp. 489-497. *London*, 1900.)

More (Louis T.) On the supposed elongation of a dielectric in an electrostatic field. (Lond., Edinb. and Dub. Philosoph. Maga. and Jour of Sci. v. 50, pp. 198-210. *London*, 1900.)

**Ryan** (Harris J.) Some practical features of the electro-static field. (Proc. elec. Soc. of Cornell Univ., pp. 53-70). (Sibley Jour. of Engineering. v. 14. suppl. *Ithaca*, 1900.)

Schaffers (V.) Les fantomes électrostatiques sur les plaques sensibles. 4 pl. (Rev. d. questions scientif. sér. 2, v. 18 (v. 48), pp. 125-143. *Louvain*, 1900.)

Adams (Edwin P.) The electromagnetic effects of moving charged spheres. (Electr. Rev. v. 39, pp. 186–100. New York, 1001.)

pp. 186-190. New York, 1901.)

Pomey (J. B.) Sur un cas particulier d'équilibre électrostatique. Deux cylindres de revolution parallèles. (L'éclair. électr. v. 29, pp. 457-463. Paris, 1901.)

Andriessen (H.) Ueber oscillatorische Ladungsströme. (Annalen d. Physik. ser. 4, v. 7, pp. 912-918. Leipzig, 1902.)

912-918. Leipzig, 1902.)

Barnett (S. J.) On the Cavendish experiment and the law of inverse squares in electrostatics. (Phys. Rev. v. 15, pp. 175-177. Lancaster, Pa., 1902.)

Blondlot (R.) Sur une méthode propre à déceler de très petites charges electriques. (Jour. de physique théor. et appli. sér. 4, v. 1, pp. 5-8. Paris, 1902.)

Discharge.

Forbes (James D[avid].) Account of some experiments in which an electric spark was elicited from a natural magnet. Edinburgh: Neill & Co., 1832. I p.l., o pp., I pl. 4°.

1832. I p.l., 9 pp., I pl. 4°. Repr.: Royal Society of Edinburgh. Transactions. v. xii, 1832.

**Rood** (O. N.) On the nature and duration of the discharge of a Leyden jar connected with an induction coil. pt. 3. [New Haves. 1872.] 8°.

duction coil. pt. 3. [New Haven, 1872.] 8°.

Kroon (Arnold Willem), jr. \*Eenige proeven van een onderzoek der zijwaartsche ontlading. Academisch proefschrift . . . 4 p.l, 46 pp. Leiden: P. Engels, 1873. 8°.

Casin (A.), and Lucas (F.) Recherches expérimentales sur la durée de l'étincelle électrique. (In Paris. Inst. Acad. Sci. Mém. div. sav., v. 22. 1876.) pl.

De La Rue (W.), and Müller (H. W.) Experimental researches on the electrical discharge with the chloride of silver battery. Pts. 1-4. London: The Royal Society, 1878-83. 4 pts. F°.

Repr.: Philosophical Transactions of the Royal Society of London, pts. 1-2, v. 169, 171, 174.

Rutherford (E.) Electrical Discharges of high frequency, detection and measurement of, by magnetised steel needles. (Roy. Soc. Proc. v. 60, 1896, pp. 184-186.)

Liénard (A.) Champ électrique et magnétique produit par une charge electrique concentrée en un point et animée d'un mouvement quelconque. (L'éclarage électr. v. 16, pp. 5-14, 53-59, 106-112. Paris, 1898.)

McClelland (J. A.) On the figures produced on photographic plates by electric discharges. 2 pl. (Proc. Cambridge Philosoph. Soc. Cambridge, Eng., 1898. 8°. v. 9, pp. 522-525).

**Smith** (J. H.) The influence of a short-circuited secondary upon the oscillatory discharge of a condenser. (Physical Rev. *New York*, 1898. 8°. v. 7, pp. 231-235.)

**Toepler** (M.) Ueber gleitende Entladung längs reinen Glasoberflächen. (Annalen der Physik und Chemie. *Leipzig*, 1898. 8°. n. s., v. 66, pp. 1061–1080.)

Walter (B.) Ueber die Enstehungsweise des electrischen Funkens. (Annalen der Physik und Chemie. *Leipsig*, 1898. 8°. n. s., v. 66, pp. 636-648.)

Ebert (Hermann). Zur Mechanik der Glimmlichtphänomene. Illus. (Kön-bayer. Akad. d. Wissensch. Sitzungsb. math.-phys. Classe. v. 29, pp. 23-37. München, 1899.)

**Hascher** (Eduard). On the pressure in the spark. (Astrophysical Jour. v. 9, pp. 347-357. *Chicago*, 1899.)

Petrovitch (Michel) Théorie de la décharge des conducteurs à capacité résistance et coefficient de self-induction variables. (Éclairage électrique. v. 19, pp. 88-92, 213-221. Paris, 1899.)

Przibram (Karl). Beiträge zur Kenntnis des verschiedenen Verhaltens der Anode und Kathode bei der elektrischen Entladung. Pl. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 108, pt. 2a, pp. 1161–1171. Wien, 1899.)

Riecke (Eduard). Ueber die Arbeit, welche in grösseren Funkenstrecken einer Töplerschen Influenzmaschine verbraucht wird. (Nachrichten v. d. Königl. Gesellsch. d. Wissensch. zu Göttingen. Math.-physik. Klasse. 1899, pp. 34-43. Göttingen, 1899.)

— Ueber die Vertheilung von freier Elektricität an der Oberfläche einer Crookes'schen Röhre. (Annalen d. Physik u. Chemie. n. s., v. 69, pp. 788-800. *Leipsig*, 1899.)

Schicht (Franz). Das äussere elektrische Feld einer Entladungsröhre. Illus. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 108, pt. 2a, pp. 814-824. Wien, 1899.)

Discharge, cont'd.

Trowbridge (John), McKay (T. C.), and Howe (J. C.) Explosive effect of electrical discharges. (Amer. Jour. of Sci. ser. 4, v. 8, pp. 239-244. New Haven, 1899.)

Warburg (E.) Ueber die Spitzenentladung. (Annalen der Physik und Chemie. Leipsig, 1899. 8°. v. 67, pp. 69-83.)

West (Jul. H.) Analyse von Funkenentladungen. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 747-750. *Berlin*, 1899.)

Des Coudres (Theodor.) Zur Theorie des Kraftfeldes elektrischer Ladungen, die sich mit Ueberlichtgeschwindigkeit bewegen. (Archives neerlandaises. ser. 2, v. 5, pp. 652-664. La Haye, 1900.)

Haschek (Eduard). Druck und Temperatur im elektrischen Funken. Illus. (Kais. Akad. d Wissensch Math-naturwiss. Classe. Sitzungsb. v. 109, pt. 2a, pp. 866-877. Wien, 1900.)

**Humphreys** (W. J.) Spark-length of an electric influence machine, as modified by a small spark from the negative side. (Phys. Rev. v. 10, pp. 311-316. *Lancaster*, Pa., 1900.)

**Néculcéa** (Eugène). Résistance et self-induction d'un fil dans une décharge oscillante. Criterium de la décharge oscillante d'un condensateur. (L'éclairage electrique. v. 23, pp. 477-489. *Paris*, 1900.)

Przibram (Karl). Vorläufige Mittheilung über die photographische Aufnahme der elektrischen Entladung auf rotierenden Films. Illus. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 109, pt. 2a. p. 902-904. Wien, 1900.)

Ruhmer (Ernst). Ueber eine wellenförmige Bewegung elektrischer Funken. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 152-154. Berlin, 1900.)

Schuster (Arthur), and Hemsalech (Gustav). On the constitution of the electric spark. Illus. plates. (Royal soc. of London. Philos. trans. v. 193, ser. A, pp. 189–213. London, 1900.)

Sieveking (H.) Ueber Ausstrahlung statischer Elektricität aus Spitzen. (Annalen der Physik. ser. 4, v. 1 (v. 306), pp. 299-311. *Leipsig*, 1900.)

Strutt (R. J.) On the discharge of electricity and helium. (Lond., Edinb., & Dub. Philosoph. Maga. & Jour. of Sci. ser. 5, v. 49, pp. 293-307. London, 1900.)

Jeans (J. H.) The striated electrical discharge. (Lond., Edinb. & Dub. Philosoph. Maga. & Jour. of Sci. ser. 5, v. 49, pp. 245-262; ser. 6, v. 1, pp. 521-529. London, 1900-'01.)

Almy (John E.) The discharge-current from a surface of large curvature. (Amer. Jour. of Sci. ser. 4, v. 12, pp. 175-179. New Haven, 1901.)

Beattie (R.) Note on the length of the break-

Beattie (R.) Note on the length of the breakspark in an inductive circuit. (Lond., Edinb. & Dub. Philosoph. Maga. & Jour. of Sci. ser. 6, v. 2, pp. 653-658. London, 1901.)

Brooks (H.) Damping of the oscillations in the discharge of a leyden-jar. (London, Edinb. and Dublin Philosoph. Maga. and Jour. of Sci. ser. 6, v. 2, pp. 92-108. London, 1901.)

Chattock (A. P.), and Walker (Winifred E.) On the specific velocities of ions in the discharge from points. (Lond., Edinb. and Dublin Philosoph. Maga. ser. 6, v. I (1901), pp. 79–98. London, 1001.)

Earhart (Robert F.) The sparking distances between plates for small distances. (Lond., Edinb. and Dublin Philosoph. Maga. ser. 6, v. 1 (1901), pp. 147-159. London, 1901.)

Guggenheimer (Siegfr.) Notes on the sparkdischarge. (Lond., Edinb. & Dub. Philosoph. Maga. & Jour. of Sci. ser. 6, v. 2, pp. 311-317. London, 1901.)

Johnson (K. R.) Sur les conditions de formation des décharges disruptives. (L'éclair. électr. v. 26, pp. 393-403. *Paris*, 1901.)

**Knoblauch** (E.) Beitrag zur Kenntnis der Spitzenentladung aus einem Teslapole. (Annalen d. Physik. ser. 4, v. 6, pp. 353-372. *Leipsig*, 1901.)

**Misuno** (T.) The influence of a non-inductive resistance on the oscillatory discharge of a condenser. (Electrician. v. 47, pp. 169-171. *London*, 1901.)

**Néculcéa** (Eugène). L'étincelle électrique: Role de la self-induction dans une décharge oscillante. Étude des spectres produits par l'étincelle électrique. (L'éclair. électr. v. 28, pp. 206-212. Paris, 1901.)

Praibram (Karl). Photographische Studien über die elektrische Entladung. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 110, pt. 2a, pp. 960-963. Wien, 1901.)

Rutherford (E.) Discharge of electricity from glowing platinum and the velocity of the ions. (Phys. Rev. v. 13, pp. 321-344. *Lancaster*, Pa., 1901.)

**Schenck** (C. C.) Some properties of the electric spark and its spectrum. (Johns Hopkins Univ. Circulars. v. 20, pp. 79-80. *Baltimore*, 1901.)

Skinner (Clarence A.) On the conditions controlling the drop of potential at the electrodes in vacuum-tube discharge. (Lond., Edinb. & Dub. Philosoph. Maga. ser. 6, v. 2, pp. 616-638. London, 1901.)

Tamm (Franz). Ueber den Einfluss des Luftdruckes und der Luftfeuchtigkeit auf die Entladung statischer Elektricität aus Spitzen. (Annalen d. Physik. ser. 4, v. 6, pp. 259-279. *Leipzig*, 1901.)

**Toepler** (M.) Einfluss von Diaphragmen auf elektrische Dauerentladung durch Luft von Atmosphärendruck. (Annalen d. Physik. ser. 4, v. 6, pp. 339-346. *Leipzig*, 1901.)

Weber (Rudolf H.) Ueber die durch elektrische Spitzenentladung erzeugten Curven. (Annalen d. Physik. ser. 4, v. 6, pp. 96–103. *Leipsig*, 1901.)

**Wesendonk** (K. v.) Notiz über polare Unterschiede bei Spitzenentladungen und die Verhältnisse der Ionengeschwindigkeiten. (Physikal. Ztsch. Jahrg. 3, pp. 45-46. *Leipsig*, 1901.)

Wright (A. W.), and Downs (E. S.) The induced alternating current discharge studied with reference to its spectrum and especially the ultraviolet spectrum. (Amer. Jour. of Sci. ser. 4, v. 12, pp. 66-73. New Haven, 1901.)

Discharge, cont'd.

Zeleny (John). The influence of temperature upon the photo-electric effect. (Phys. Rev. v. 12, pp. 321-339. Lancaster, Pa., 1901.)

Battelli (A.), and Magri (L.) Über oszillatorische Entladungen. (Physikal. Ztschr. Jahrg. 3, pp. 539-546. *Leipzig*, 1902.)

**Beaulard** (F.) Sur la différence de potentiel et l'amortissement de l'étincelle électrique à caractère oscillatoire. (Jour. de physique. ser. 4, v. 1, pp. 498-503. *Paris*, 1902.)

Earhart (R. F.) Sparking distances between plates for small distances. (Phys. Rev. v. 15, pp. 163-171. Lancaster, Pa., 1902.)

Garbasso (A.) Über die Entladungen eines Kondensators durch zwei parallel geschaltete Drähte. (Physikal. Ztschr. Jahrg. 3, pp. 384-390. *Leipzig*, 1902.)

— Ueber die Entladungen eines Condensators durch n parallelgeschaltete Drähte. (Annalen d. Physik. ser. 4, v. 8, pp. 890-907. *Leipzig*, 1902.)

Hehl (Nicolaus). Über die Dimensionen der Gebilde an der Kathode. (Physikal. Ztschr. Jahrg. 3, pp. 547-552. Leipzig, 1902.)

Homsalech (G. A.) La constitution de l'ètincelle électrique. (Jour. de physique. sér. 4, v. 1, pp. 76–90. Paris, 1902.)

Jervis-Smith (F. J.) A high-pressure sparkgap used in connexion with the Tesla coil. (Lond., Edinb. and Dub. Philosoph. Maga. and Jour. of Sci. ser. 6, v. 4, pp. 224-226. London, 1902.)

Johnson (K. R.) Quelques remarques sur les conditions de formation des décharges disruptives. (L'éclair. électr. v. 30, pp. 385-389. *Paris*, 1902.)

**Lecher** (Ernst). Beeinflussung des elektrischen Funkens durch Elektrisirung. (Annalen d. Physik. ser. 4, v. 9, pp. 442-451. *Leipsig*, 1902.)

Lockyer (Sir Norman). On the spark discharge from metallic poles in water. 1 pl. (Astrophys. Jour. v. 15, pp. 190-198. Chicago, 1902.)

**Mandelstam** (L.) Bestimmung der Schwingungsdauer der oscillatorischen Condensatorenentladung. (Annalen d. Physik. ser. 4, v. 8, pp. 123-148. *Leipzig*, 1902.)

**Möhlmann** (Arthur). Ueber Ausstrahlung hochgespannter Wechselströme von hoher Frequenz aus Spitzen. (Annalen d. Physik. ser. 4, v. 8, pp. 768-786. *Leipzig*, 1902.)

Micolaieve (M. W. de). On a new reaction between electrostatic tubes and insulators, and on the electrostatic field round an electric current, and the theory of Professor Poynting. (Lond., Edinb. & Dub. Philosoph. Maga. ser. 6, v. 4, pp. 133-138. *London*, 1902.)

**Semenov** (Jules). Sur les phénomènes mécaniques de la décharge disruptive. (Comptes rendus hebdomad. des séances de l'Acad. des sci. v. 135, sem. 2, pp. 155-158. *Paris*, 1902.)

Stark (J.) Ionentheorie der elektrischen Selbstentladung. (Annalen d. Physik. ser. 4, v. 7, pp. 919-931. Leipzig, 1902.)

Schenck (Charles C.) Some properties of the electric spark and its spectrum. 4 pl. (Astrophys. Jour. v. 14, pp. 116-135. *Chicago*, 1901.)

Toopler (Max). Grenzpotentialdifferenzen der elektrischen Entladung in Luft von Atmosphärendruck. (Annalen d. Physik. ser. 4, v. 7, pp. 477–493. *Leipzig*, 1902.)

#### Brush Discharge.

**Toepler** (M.) Ueber die Eigenschaften des geschichteten Büschellichtbogens in freier Luft. (Annalen der Physik und Chemie. *Leipzig*, 1898. 8°. n. s., v. 66, pp. 660-675.)

#### Discharge in Gases.

Bueckmann (Hendrik Willem Catharinus Elisa). \*Over elektrische ontlading in verdunde gassen.... 4 p. l., 79 pp., 1 diagr. Amsterdam: M. J. Portielje, 1881. 8°.

Wilson (W. E.), and Pitagerald (G. F.) Electric arc at various pressures in air, CO<sub>2</sub>, &c.; evaporation rate in mercury and carbon craters; mercury crater temperature. (Royal Soc. Proc., vol. 60, 1897, pp. 377-383.)

Ebert (Hermann). Unsichtbare Vorgänge bei elektrischen Gasentladungen. Illus. (Kön-bayer. Akad. d. Wissensch. Sitzungsb. math.-phys. Classe, v. 28, pp. 497-529. München, 1898.

Fomm (Ludwig). Über eine neue Erscheinung bei elektrischen Entladungen in verdünnten Gasen. (Kön-bayer. Akad. d. Wissensch. Sitzungsb. math.phys. Classe, v. 28, pp. 365-368. *München*, 1898.)

Gill (H. V.) A theory to explain the stratification of the electric discharge in Geissler tubes. 2 pl. (Amer. Jour. of Science. New Haven, 1898. 8°. (v. 155) ser. 4, v. 5, pp. 399-417.)

**Henry** (J.) On the deflexion by magnetic force of the electric discharge through gases. 21 illus. (Philos. mag. ser. 5, v. 46, pp. 429-452. *London*, 1808.)

**Precht** (Julius). Magnetisches Verhalten electrischer Entladungen in Luft von normalem Drucke. (Annalen der Physik und Chemie. *Leipzig*, 1898. 8°. n. s. v. 66, pp. 676-697.)

**Thomson** (J. J.) The discharge of electricity through gases. Lectures delivered on the occasion of the sesqui-centennial celebration of Princeton University. *New York: Ch. Scribner's Sons*, 1898. x, 203 pp. 12°.

**Trowbridge** (John). An inquiry into the nature of electrical discharges in air and gases. Plates. (Amer. Acad. of Arts and Sciences. Proc. v. 33, pp. 433-452. *Boston*, 1898.)

Warburg (Emil). Über die Entstehung der Spitzenentladung. (Kön-preuss. Akad. d. Wissensch. Sitzungsb. 1898, pp. 236–242. Berlin, 1898.)

**Beaulard** (F.) La décharge électrique dans les gaz raréfiés. (Annales de l'univ. de Grenoble. v. 11, pp. 269-290. *Paris*, 1899.)

Kaufmann (W.) Grundzüge einer elektrodynamischen Theorie der Gasentladungen. (Nachrichten v. d. Königl. Gesellsch. d. Wissensch. zu Göttingen math.-physik. Klasse. 1899, pp. 243–259. Göttingen, 1899.)

Discharge in Gases, cont'd.

Orgler (A.) \* Ueber die zur disruptiven Entladung in einigen Gasen bei verschiedenen Drucken notwendige Potentialdifferenz. Berlin: G. Schade, 1899. 40 pp., 1l, 1 pl. 8°.

Phillips (C. E. S.) The action of magnetized electrodes upon electrical discharge phenomena in rarefied gases. Preliminary note. (Roy. Soc. Pro., vol. 64, 1899, pp. 172–176.)

Schweidler (Egon), Ritter von. Zur Theorie unipolarer Gasentladungen. Illus. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 108, pt. 2a, pp. 899-904. Wien, 1899.)

Skinner (Clarence A[urelius]). \*Ueber das Anodengefälle bei der Glimmentladung . . . Berlin : Mayer & Müller, 1899. 1 p. l., pp. 32. 8°.

Warburg (Emil). Über positive und negative Spitzenentladung in reinen Gasen. (Kön-preuss. Akad. d. Wissensch. Sitzungsb. 1899, pp. 770-778. Berlin, 1899.)

Garbasso (A.) Zwei modelle für einen elektrischen Entladungsvorgang in Gasen. (Physik. Zeitschr. Jahrg. 2, pp. 49-52. *Leipsig*, 1900.)

McClelland (J. A.) On the conductivity of gases from an arc and from incandescent metals. (Proc. of the Cambridge Philosoph. Soc. v. 10, pp. 241-257. London, 1900.)

Orgler (Adolf). Zur Kenntniss des Funkenpotentiales in Gasen. (Annalen d. Physik. ser. 4, v. 1, pp. 159-174. Leipzig, 1900.)

Riecke (Edouard). Ueber characterische Curven bei der electrischen Entladung durch verdünnte Gase. (Archives néerlandaises. sér. 2, v. 5, pp. 181-201. La Haye, 1900.)

**Schmidt** (G. C.) Ueber den Einfluss der Temperatur auf das Potentialgefälle in verdünnten Gasen. (Annalen d. Physik. sér. 4, v. 1, pp. 625-647. *Leipzig*, 1900.)

Strutt (R. J.) On the least potential difference required to produce discharge through various gases. Illus. (Royal Soc. of London. Philos. trans. v. 193. ser A, pp. 377-394. London, 1900.)

**Thomson** (J. J.) The genesis of the ions in the discharge of electricity through gases. (London, Edinburgh and Dublin Philosoph. Maga. ser. 5, v. 50, pp. 278-283. *London*, 1900.)

Villari (Emilio). Come l'aria ixata perde la sua proprietà scaricatrice e come svolge cariche di elevati potenziali. Illus. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 9, pt. 1, p. 288-295. Roma, 1900.)

Wilson (Harold). On the variation of the electric intensity and conductivity along the electric discharge in rarefied gases. (Lond., Edinb. and Dub. Philosoph. Maga. ser. 5, v. 49, pp. 505-516. London, 1900.)

Zelent (John). The velocity of the ions produced in gases by Röntgen rays. (Proc. Roy. Soc.,

v. 66, pp. 238-241. London, 1900.) **D'Arcy** (R. F.) The decomposition of hydrogen peroxide by light, and the electrical discharging action of this decomposition. (Lond., Edinb. and Dub. Philosoph. Maga. and Jour. of Sci. ser.

6, v. 3, pp. 42-52. London, 1902.) **Heuse** (Wilhelm). \*Beiträge zur Kenntnis der Glimmentladung. I. Glimmentladung in Gasgemis-

chen. II. Glimmentladung im Helium, Friedrich Wilhelms-Universität zu Berlin, Berlin: G Schade [1901]. 28 pp., 21. 8°.

--- Glimmentladung in Gasgemischen. (Annalen d. Physik. ser. 4, v. 5, pp. 670-677. Leipsig, 1901.)

— Glimmentladung im Helium. (Annalen d. Physik. ser. 4, v. 5, pp. 678-684. Leipzig, 1901.)

Riecke (Eduard). Ueber charakteristische Curven bei der elektrischen Entladung durch verdünnte Gase. (Annalen d. Physik. ser. 4, v. 4, pp. 592-616. *Leipzig*, 1901.)

Stark (J.) Bemerkungen zu J. J. Thomson's Theorie der elektrischen Strömung in Gasen. (Physik. Ztschr. Jahrg. 2, pp. 664-666. *Leipzig*, 1901.)

— Beiträge zur Theorie der elektrischen Strömung in Gasen. (Annalen d. Physik. ser. 4, v. 5, pp. 89-112. *Leipzig*, 1901.)

Villari (Emilio). How air subjected to X-rays loses its discharging property, and how it produces electricity. (Phys. Soc. of London. Proc. v. 17, pp. 674-678. London, 1901.)

—— —— (Physical Society of London. Proceedings. v. 17, pp. 674-678. London, 1901.)

Willows (R. S.) On the absorption of gas in a Crookes tube. (Lond., Edinb. and Dublin Maga. and Jour. of Sci. v. 51 (ser. 6, v. 1) pp. 503-517. London, 1901.)

— On the effect of a magnetic field on the discharge through a gas. (Lond., Edinb. and Dublin Philosoph. Maga. and Jour. of Sci. v. 51 (ser. 6, v. 1), pp. 250-260. London, 1901.)

Csudnochowski (W. Bregon von). Eine Beobachtung einer empfindlichen Entladungsform in Gasen. (Physikal. Ztschr. Jahrg. 3, pp. 129–130. Leipsig, 1902.)

Lehmann (O.) Gasentladungen in weiten Gefässen. 2 pl. (Annalen d. Physik. ser. 4, v. 7, pp. 1–28. *Leipsig*, 1902.)

### Discharge in Vacua.

**Pupin** (M. T.) On the action of vacuum discharge streamers upon each other. pp. 263-268, 1 pl. [New York,] 1892. 8°.

Repr.: American Journal of Science, 1892.

**Swinton** (A. A. C.) Electric discharges in vacuo, effects of magnetic field upon. (Roy. Soc. Proc. v. 60, 1896, pp. 179–182.)

#### Electricity of Gases.

Hasselberg (B.) Ueber das durch electrische Erregung erzeugte Leuchten der Gase bei niedriger Temperatur. (St. Petersburg. Acad. Imp. Sci. Mém. 7° ser., v. 27, no. 1.) St. Pétersburg, 1879. sq. f°.

Quincke (G.) Ueber elektrische und r.: tische Druckkräfte. n. t.p. [1884.] 8°.

Kelvin (William Thomson), 1st baron, Mc-Clean (Magnus), and Galt (Alexander). Elec. trification of air, of vapor, of water, and of other gases. Illus. (Roy. Soc. of London. Philostrans. v. 191, ser. A, pp. 187-228. London, 1898.)

**Townsend** (John S.) Electrical properties of newly prepared gases. Illus. (Philos. Mag. and Jour. of Science. ser. 5, v. 45, pp. 125-151. *London*, 1898.)

Electricity of Gases, cont'd.

Pellat (H.) Électrisation de la vapeur émise par un liquide électrisé. Vapeur émise par un liquide non électrisé. Application à l'électricité atmosphérique. Influence des fumées. (Éclairage électrique. v. 18, pp. 481-487. Paris, 1899.)

—— Perte d'électricité par évaporation de l'eau électrisée. Vapeur émise par un liquide non électrisé. Application à l'électricité atmospherique. Influence des fumées. (Jour. de physique théor. & appli. sér. 3, v. 8, pp. 253-262. Paris, 1899.)

Bose (Emil). Untersuchungen über die elektromotorische Wirksamkeit der elementaren Gase (Ztsch. f. physikal. Chemie. v. 34, pp. 701-760. Leipzig, 1900.)

Stark (J.) Methode der Querströme und die Leitfähigkeit in durchströmten Gasen. (Annalen d. Physik. ser. 4, v. 3, pp. 492-512. Leipzig, 1900.)

Theoretische Bemerkungen über den elektrischen Ausgleich in Gasen. (Physikalische Zeitschr. Jahrg. 1, pp. 439-442. Leipsig, 1900.)

Walker (George W.) On the distribution of a gas in an electrical field. (Lond., Edinb. & Dub. Philosoph. Maga. v. 49, pp. 529-538. London, 1900.)

Hemptinne (Alexandre de). Über die elektrische Leitfähigkeit der Flamme und der Gase. (Ztschr. f. physikal. Chemie. v. 39, pp. 345-352. Leipzig, 1901.)

**Lehmann** (O.) Ueber Elektrisirung der Luft durch Glimmentladung. (Annalen d. Physik. ser. 4, v. 6, pp. 661-680. *Leipsig*, 1901.)

#### Dispersion.

Vincent (J. H.) On the construction of a mechanical model to illustrate Helmholtz's theory of dispersion. 4 illus. (Philos. mag. ser. 5, v. 46, pp. 557-563. London, 1898.)

**Loewe** (K. Friedrich). Experimental-Untersuchung über electrische Dispersion einiger organischer Säuren, Ester und von zehn Glassorten. (Annalen der Physik und Chemie. *Leipzig*, 1898. 8°. n. s., v. 66, pp. 390-410; 582-596.)

Elster (J.), and Geitel (H.) Ueber Elektricitätszerstreuung in der Luft. (Annalen d. Physik.' ser. 4, v. 2, pp. 425-446. Leipzig, 1900.)

Ebert (H.) Ueber Elektricitätszerstreuung in grösseren Höhen. (Annalen d. Physik. ser. 4, v. 5, pp. 718–724. *Leipzig*, 1901.)

— Messungen der elektrischen Zerstreuung im Freiballon. (Kön-bayer. Akad. d. Wissensch. Sitzungsb. math.-phys. Classe, v. 30, pp. 511-532. München, 1901.)

— Weitere Messungen der elektrischen Zerstreuung in grossen Höhen. (Kön-bayer. Akad. d. Wissensch. Sitzungsb. math.-phys. Classe, v. 31, pp. 35-51. *München*, 1901.)

Elster (J.), and Geitel (H.) Weitere Versuche über die Elektrizitätszerstreuung in abgeschlossenen Luftmengen. (Physik. Ztschr. Jahrg. 2, pp. 560-563. *Leipzig*, 1901.)

Mache (Heinrich). Über die Zerstreuung der Elektricität in abgeschlossener Luft. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 110, pt. 2a, pp. 1302–1306. Wien, 1901.)

**Pochettino** (A.) Risultato di alcune misure di dispersione elettrica. (R. accad. d. Lincei. Rendic. classe d. sci. fis., ser. 5, v. 10, pt. 1, pp. 104-109. *Roma*, 1901.)

Beggerow (Hans.) Elektricitätszerstreuung durch Verdampfung von Flüssigkeiten. (Annalen d. Physik. ser. 4, v. 7, pp. 494-515. Leipsig,

Mercanton (P. L.) Sur l'énergie dissipée dans les diélectriques soumis à des champs alternatifs. (Jour. de phys sér. 4, v. I, pp. 33-39. Paris, 1902.)

Planck (Max). Zur elektromagnetischen Theorie der Dispersion in isotropen Nichtleitern. (Kön-preuss, Akad. d. Wissensch. Sitzungsb. 1902, pp. 470-494. *Berlin*, 1902.)

Wesendonk (K. v.) Beobachtungen über Elektricitätszerstreuung. (Naturwissenschaftl. Rundschau. Jahrg. 17, pp. 301-304. Braunschweig, 1902.)

#### THERMO-ELECTRICITY.

Teding van Berkhout (J. J.) \*De fluxubus thermo-electricis, acus magneticæ ope, observatis, Amsteladami, 1843. 4 p. l., 71 pp. 8°.

Bleekrode (Louis). Præfondervindelijk onderzoek omtrent den invloed der warmte op de electromotorische kracht... xii, 91 pp., 1 pl. Leiden: P. Engels, 1867. 8°.

Groenman (E. H.) Iets over den invloed van de temperatuur op het magnetisme van ijzer en staal. Akademisch Proefschrift ter verkrijging van den graad van Doctor in de Wis- en Natuurkunde aan de Hoogeschool te Utrecht... I p. l., vi, 64 (I) pp. Heerenveen: N. A. Kingst, 1877. 8°.

Steele (W. Huey). A new thermoelectric phenomenon. n. p.: Ford & Son [1893]. 120-132 pp., I pl. 8°. Repr.: Proceedings Royal Society of Victoria.

**Tsuruta** (Kenji). The thermo-electric effects of longitudinal stress in iron. Illus. 3 plates. (Imperial univ. of Japan. College of sci. Jour. v. 9, pp. 27-52. *Tokyo*, 1895.)

— Thermo-electric effects of longitudinal tension in different metals. Illus. plate. (Imperial univ. of Japan. College of sci. Jour. v. 9, pp. 53-67. *Tokyo*, 1895.)

**Duane** (W.) \*Ueber elektrolytische Thermoketten. Berlin: G. Schade (O. Francke.), 1897. 43 pp. 8°.

Richards (Theodore William). On the temperature coefficient of the potential of the calomel electrode, with several different supernatant electrolytes. (Contributions from the chemical laboratory of Harvard College.) Illus. (Amer. acad. of arts and sciences. Proc. v. 33, pp. 1-20. Boston, 1897.)

Holburn (Ludwig), and Day (Arthur L.) On thermoelectricity in certain metals. (Amer. Jour. of Sci. (v. 158), ser. 4, v. 8, pp. 303-308. New Haven, 1800.)

Haven, 1899.)

—— Über die Thermoelektricität einiger Metalle. (Kön-preuss. Akad. d. Wissensch. Sitzungsb. 1899, pp. 691–695. Berlin, 1899.)

Maclean (Magnus). On the effects of strain on the thermoelectric qualities of metals. (Roy. Soc. Proc. v. 64, pp. 322-330. London, 1899.)

Thermo-electricity, cont d.

**Pochettino** (A.) Sulle variazioni dell' effetto Peltier in un campo magnetico. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 8, pt. 2, pp. 50-57. *Roma*, 1899.)

Abt (Anton). Thermoelektromotorische Kraft einiger Metalloxyde und Metallsulfide in Verbindung miteinander und mit einfachen Metallen bei 100° Temperaturunterschied der Berührungsstellen. (Annalen d. Physik. ser. 4, v. 2, pp. 266–279. Leipzig, 1900.)

Barrett (William F.) On some novel thermoelectric phenomena. Table. (Roy. Dublin soc. Scient. trans. ser. 2, v. 7, pp. 127-132. Dublin,

1900.)

Hollard (A.) The heat of formation of ions. (Electr. Engineer. (v. 31), n. s., v. 25, pp. 60-62; 115-117. London, 1900.)

Magie (William Francis). Über die specifische Wärme von Lösungen, die keine Elektrolyte sind. (Physikalische Zeitschr. Jahrg. 1, pp. 233-234. Göttingen, 1900.)

Moreau (G.) Sur les phénomènes thermomagnétiques. (Jour. de physique théor. & applisér. 3, v. 9, pp. 497-506. Paris, 1900.)

— Sur les phénomènes thermo-magnétiques. (L'éclair. électr. v. 25, pp. 456-460. Paris, 1900.)

Richars (F.) Theorie des Gesetzes von Dulong und Petit. (In: Zu der fünfzigjährigen Doctor-Jubelfeier des Herrn Heinrich Limpricht... bringt ihre... Glückwünsche dar die Philosophische Facultät zu Greifswald. Greifswald [1900]. 8°. pp. 14-26.)

Steinmann (Emile). \*Recherches sur la thermoélectricité de quelques alliages . . . Genève : C. Eggimann & Cie., 1900. 44 pp., 1 l., 2 pl. 8°.

Tsuruta (K.) On some effects of twist on the thermo-electric qualities of iron. (Lond., Edinb. & Dub. Philosoph. Maga. & Jour. of Sci. ser. 5, v. 50, pp. 223-231. London, 1900.)

Wiedeburg (O.) Energetische Theorie der Thermoelektricität und Wärmeleitung von Metallen. (Annalen d. Physik. ser. 4, v. 1, pp. 758-789. Leipzig, 1900.)

Yamaguchi (E.) Zur Kenntnis des thermomagnetischen Transversaleffectes im Wismut. (Annalen d. Physik. ser. 4, v. 1, pp. 214-224. *Leipzig*, 1900.)

**Aubel** (Edm. van). Sur les pouvoirs thermoélectriques de quelques oxydes et sulfures métalliques. (Jour. de Physique. ser. 3, v. 10, pp. 205-208. *Paris*, 1901.)

Lloyd (Morton Githens). The thermo-magnetic and galvano-magnetic effects in tellurium. (Amer. Jour. of Sci. ser. 4, v. 12, pp. 57-63. New Haven, 1901.)

Löb (Walther). Pyrogene Reaktionen und Synthesen Mittels des elektrischen Stromes. (Ztschr. f. Elektrochemie. Jahrg. 7, pp. 903–921. Breslau, 1901.)

Lownds (Louis). The thermomagnetic and thermoelectric properties of crystalline bismuth. (Lond., Edinb. and Dub. Philosoph. Maga. ser. 6, v. 2, pp. 325-341. London, 1901.)

— Beiträge zur Kenntnis des thermomagnetischen Longitudinaleffectes. (Annalen d. Physik. ser. 4, v. 4, pp. 776–787. *Leipzig*, 1901.)

Moreau (Georges). De l'effet thermomagnétique longitudinal. (Jour. de phys. théor. et appli. sér. 3, v. 10, pp. 685-691. Paris, 1901.)

**Harrison** (E. Philip). On the variation with temperature of the thermo-electromotive force, and of the electric resistance of nickel, iron, and copper, between the temperatures of 200° and + 1050°. (Lond., Edinb. and Dub. Philosoph. Maga. ser. 6, v. 3, pp. 177-195. *London*, 1902.)

---- (Physical Society of London. Proceedings. v. 18, pp. 57-76. London, 1902.)

Thomson (J. J.) On some of the consequences of the emission of negatively electrified corpuscles by hot bodies. (Lond., Edinb. and Dub. Philosoph. Maga. and Jour. of Sci. ser. 6, v. 4, pp. 253-262. London, 1902.)

## BATTERIES, GALVANISM, VOLTAIC AND CONTACT ELECTRICITY.

**Volta** (A.) Untersuchungen über den Galvanismus, 1796 bis 1800. Hrsg. von A. J. von Oettingen. *Leipsig: W. Engelmann*, 1900. 100 pp., 1 pl. 12°.

(Ostwald's Klassiker der exakten Wissenschaften. no. 118.) Title on cover: Galvanismus und Entdeckung des Säulenapparates, 1796 bis 1800.)

**Humboldt** (A.) Expériences sur le galvanisme et en général sur l'irritation des fibres musculaires et nerveuses. Traduit de l'Allemand... par J. F. N. Jadelot. *Paris*, 1799. 16°.

**De Luc** (J. A.) Traité Elémentaire sur la Fluide Électro-Galvanique. *Paris*, 1804. 8°.

Wilkinson (C. H.) Elements of galvanism, in theory and practice, with a comprehensive view of its history from the first experiments of Galvani to the present time... also practical directions for constructing the galvanic apparatus and plain systematic instructions for . . . experiments. London: J. Murray, 1804. 2 v. 8°.

Sue (P.), ainé. Histoire du galvanisme. 2 ed. An. 13. Paris, 1805. 4 v. in 2. 8°.

**Donovan** (M.) Essay on the origin, progress, and present state of galvanism: containing investigations, experimental and speculative, of the principal doctrines offered for the explanation of its phenomena; and a statement of a new hypothesis. *Dublin: Graisberry & Campbell*, 1816. xviii, 390 pp., I pl. 8°.

**Philip** (A. P. W.) Some positions respecting the influence of the voltaic battery in obviating the effects of the division of the eighth pair of nerves. n. t. p. [1821]. pp. 22-23. 4°. (In: Sabine (Sir E.) The Bakerian lecture . . . [London, 1822.] 4°.)

**Seebeck** (T. J.) Ueber den Magnetismus der galvanischen Kette. Berlin, 1822. 4°.

**Pohl** (G. F.) Der process galvanischen Kette. *Leipzig*, 1826. 8°.

**Fechner** (G. T.) Maassbestimmungen über ogalvanische Kette. *Leipsig*, 1831. 4°.

Houwink (Ianus). \*Dissertatio physica de theoria elementi apparatus Voltaici . . . Groninga: I. Oomkens, 1835. 2 p. l., 190 pp., 4l. 8°.

**Daniell** (J. F.) Further observations on voltaic combinations. *London*, 1837. pl. 4°.

— Fourth letter on voltaic combinations. London, 1838. pl. 4°.

Voltaic Electricity, cont'd.

- Fifth letter on voltaic combinations, with some account of the effects of a large constant battery; and on the electrolysis of secondary compounds. London, 1839. 4°.

- Sixth lecture on voltaic combinations. London, 1842. 4°.

). Mémoire sur la pile gal-Martens ( vanique, et sur la manière dont elle opère les décompositions des corps. 47 pp. (In: Académie royale de Bruxelles. Nouveaux mémoires. Bruxelles, 1839. 4°. v. 12. [no. 8.])

Hare (R.) Memoir on some new modifications of galvanic apparatus, with observations in support of his new theory of galvanism. Philadelphia

[1840?]. pl. 8°.

Smith (Lieut, R. B.) The galvanic battery in its various practical applications as an igniting agent. I diagr. (Jour. Asiat. Society of Bengal. Calcutta, 1840. 8°. v. 9, pt. 2, pp. 1149-1182.)

Jahn (A.) Vorläufige Beurtheilung der Contactund chemischen Hypothese des Galvanismus. Ein Programm, durch welches zu . . . öffentlichen Prüfungen der Zöglinge des Vitzthum'schen Geschlechtsgymnasiums und der Blochmann'schen Erziehungsanstalt . . . einladet A. Jahn. [With: Nachrichten über die Anstalt.] Dresden: E. Blochmann, 1842. iv, 100 pp., 4 tab. 8°.

Sturgeon (W.) A course of twelve elementary lectures on galvanism. London, 1843. il. pl. 12°.

Harris (W. S.) Rudimentary treatise on galvanism, and the general principles of animal and voltaic electricity. London, 1869. 12°.

Eccher (A.) Sulle forze elettromotrici sviluppate dalle soluzioni saline. (Florence. R. Ist. D. Stud. Sez. di Sci. Fis. e Nat.) 2 v. Firenze, 1877-78. pl. nar. 4°.

Niaudet (Alfred). Traité élémentaire de la pile électrique. 2º éd. revue et augmentée. Paris, 1880. il. 8°.

Elementary treatise on electric batteries; trans. from the French by L. M. Fishback. New York, 1880. 12°.

**Hauck** (W. Ph.) Die Galvanischen Batterien. Accumulatoren und Thermosäulen. (Elektrotechnische Bibliothek. Bd. 4.) Wien, 1883. 12°.

Andrews (T.) On galvanic action between wrought-iron, cast metals, and various steels, during long exposure in sea-water. London: Inst. Civ. Eng., 1884. 16 pp., 1 diagr. 8°.
Excerpt: Proc. Inst. Civ. Eng. v. 77, pt. 3.

May (O.) Lehrbuch der Kontaktelektricität (Galvanismus) . . . bearb. nach System Kleyer.

Stuttgart, 1887. 8°.
Wits (A.) Électricité et applications : les piles électriques à l'exposition universelle de 1889. Paris, 1893. 4°. (Revue technique de l'expos, universelle de 1899. 8. pt.)
Atlas of 7. and 8. pt. bound in 1 v.

Carhart (H. S.) Primary batteries. Boston, 1891. 12°.

Benjamin (P.) The voltaic cell: its construction and its capacity. New York, 1893. 8°.

Cohen (Ernest Julius). \*Het bepalen van overgangspunten langs electrischen weg en de electromotorische kracht bij scheikundige omzetting . . . 4 p.l., 100 pp., 3 l., 2 diagr., 1 pl. Amsterdam: Delsman & Nolthenius, 1893. 8°.

Leick (W.) \*Ueber das magnetische Verhalten galvanischer Eisen-, Nickel- und Cobaltnieder-schläge. [Greifswald.] Leipzig: J. A. Barth, 1896. 30 pp., тl. 8°.

Fabry (C.) Les piles éléctriques. 170 pp., ill. Paris: Gauthier-Villars et Fils [1897]. 8° (Encyc. scien, des aide-mém. Sect, de l'ingén.)

Haschek (Ed.) Über galvanische Polarisation in alkoholischen Lösungen. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. Wien, 1897.) 106, pt. 2a, pp. 580-589.

Burgess (C. F.) Efficiency of the electrolytic cell. (Electrical World. New York, 1898. F°. v. 32, pp. 686-688.)

Campbell (Albert). On apparatus for self-acting temperature compensation of standard cells. (Physical Soc. of London. Proc. London, 1898. 8°. v. 16, pp. 34-38.)

Kelvin (William Thomson), 1st baron. Contact electricity of metals. Illus. (Philos. mag. and jour. of science. ser. 5, v. 46, pp. 82-120. London, 1898.)

Lecher (Ernst). Einige Bemerkungen über Aluminiumanoden in Alaunlösung. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 107, pt. 2a, pp. 739-749. Wien, 1898.)

Murray (J. Erskine). On volta electricity of metals. (Philos. mag. and jour. of science. ser. 5, v. 45, pp. 398-432. London, 1898.)

Platner (G.) Über die Abhängigkeit der elektromotorischen Kraft galvanischer Elemente von der thermochemischen Daten. (Elektrochemische Zeitschrift. *Berlin*, 1898. 4°. v. 5, pp. 95–98, v. 5, pp. 95–98, 180-185.)

Reed (Charles J.) Thermo-electric and galvanic actions compared. (Jour. of the Franklin Institute. *Philadelphia*, 1898. 8°. v. 146, pp. 424-448.)

Riecke (Eduard). Zur Theorie des Galvanismus und der Wärme. (Nachrichten Kgl. Gesellsch. der Wissensch. zu Göttingen. Math.-phys. Klasse. Göttingen, 1898. 8°. pp. 48-70, 137-145.)

- (Annalen der Physik und Chemie. n. s., v. 66, pp. 353-389, 545-581. Leipsig, 1898. 8°.)

Voigt (W.) Thermodynamisches zu den Wechselbeziehungen zwischen Galvanismus und Warme. (Nachrichten v. d. Königl. Gesellsch. der Wissensch. zu Göttingen. Mathemat.-physikal. Klasse. Göttingen, 1898. 8°. pp. 113-136.)

Brown (J.) Some Experiments bearing on the Theory of Voltaic Action. (Roy. Soc. Proc. v. 64, 1899, pp. 369-374.)

Centenary (The) of Volta's discovery of the electric battery. (Electr. World and Engineer. v. 33, pp. 610-612. New York, 1899.)

Christianson (C.) Experimentalundersögelse over Beröringselektricitetens Oprindelse. (Oversigt over det kongel. danske videnskab. Selskabs. Forhandl. 1899, no. 3, pp. 153-167. Köbenhavn,

Gross (Theodor). Über das Verhältnis zwischen elektromotorischer Kraft und chemischer Wärme in den galvanischen Elementen. (Elektrochemische Zeitschr. Jahrg. 6, pp. 137-148. Berlin, 1899.)

Voltaic Electricity, cont'd.

Majorana (Quirino). On the contact theory. (Lond., Edinb. and Dub. Philosoph. Maga. ser. 5. v. 48. pp. 241-262. London. 1800.)

5, v. 48, pp. 241-262. London, 1899.)

Platner (Gustav). Über die Abhängigkeit der elektromotorischen Kraft galvanischer Elemente von den thermochemischen Daten. (Elektrochemische Zeitschr. Jahrg. 5, pp. 95-98; 180-185; Jahrg. 6, pp. 23-27. Berlin, 1899.)

**Salvadori** (Roberto). Sopra la forza elettromotrice di alcuni sistemi di pile a concentrazione e di pile rame-zinco con solventi organici. (R. Accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 8, pt. 1. pp. 452-454 *Roma*, 1899.)

Christiansen (C.) Sur l'électricité de contact. (Congrès internat. de physique, 1900. Rapports, v. 2, pp. 390-402. *Paris*, 1900.)

Contact electricity. (Engineering. v. 69, pp. 225-226. *London*, 1900.)

Gouy (G.) Les étalons de force électromotrice. (Congrès internat. de physique, 1900. Rapports. v. 2, pp. 422-439. Paris, 1900.)

Jumau (L.) Sur les batteries-tampons. (L'éclairage électr. v. 22, pp. 51-57. Paris, 1900.)

**Lodge** (Oliver). On the controversy concerning Volta's contact force. I pl. (Phys. Soc. of London. Proc. v. 17, pp. 369-430. *London*, 1900.)

Poincaré (Lucien). Quelques remarques sur les théories de la pile voltarque. (Congrès internat. de physique, 1900. Rapports. v. 2, pp. 403-421. Paris, 1900.)

Spiers (Frederick S.) Contact electricity. (Lond., Edinb. and Dub. Philosoph. Maga. and Jour. of Sci. ser. 5, v. 49, pp. 70-90. London, 1900.)

—— (Physical Society of London. Proceedings. v. 17, pp. 39-67. London, 1900.)

Bleekrode (L.) Note concernant l'effet des basses températures sur les piles électriques. (Archives néerlandaises. ser. 2, v. 6, pp. 448-454. La Haye, 1901.)

**Cooper** (W. R.) Primary batteries: their theory, construction and use. *London: Electrician Pr...Co.* [pref. 1901]. iv, 1 l., 324 pp. 8°. (Electrician series.)

Jahn (Hans). Uber die Nernstschen Formeln zur Berechnung der elektromotorischen Kraft von Konzentrationselementen. Eine Erwiderung an Herrn Arrhenius. (Ztsch. f. physik. Chemie. v. 36, pp. 453-460. Leipzig, 1901.) Knoblauch (Osc.) Versuche über die Berüh-

Knoblauch (Osc.) Versuche über die Berührungselektrizität. (Ztschr. f. physikal. Chemie, v. 39, pp. 225-244. Leipsig, 1901.)

Lehfeldt (R. A.) Electromotive force and osmotic pressure. (Lond., Edinb. and Dublin Philosoph. Maga. and Jour. of Sci. v. 51 (ser. 6, v. 1), pp. 377-403. London, 1901.)

ings. v. 17, pp. 577-604. London, 1901.)

Berthelot ( ). Nouvelles recherches sur les piles les fondées sur l'action réciproque de deux liquides. (Comptes rendus hebdomadaires des séances de l'Acad. d. sci. v. 134, pp. 1461-1478.

Paris, 1902.)

Carhart (Henry S.) A novel concentration cell. (Transac. Amer. Electrochem Soc. v. 1, pp. 105-113. *Philadelphia*, 1902.

Christy (S. B.) The electromotive force of metals in solutions of cyanide. (Amer. Chem. Jour. v. 27, pp. 354-420. *Baltimore*, 1902.)

### Batteries-Individual Types.

#### ---- Clark.

Wulf (Theodor). Beobachtungen an geschlossenen Clark'schen Normalementen. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 106, pt. 2a, pp. 562-579. Wien, 1897.)

Callendar (H. L.), and Barnes (H. T.) On the variation of the electromotive force of different forms of the Clark standard cell, with temperature and with strength of solution. *Montreal*, 1898. 117-152 pp. 8°. (McGill University Papers from the Dpt. of Physics. no. 5.)

Repr.: Proceedings Roy. Soc., Lond. 1897, v. 62.

Spiers (F. S.), Twyman (F.), and Waters (W. L.) Variations in the electromotive force of the H-form of Clark cells with temperature. 8 illus. (Philos. Mag. and Jour. of Science. ser. 5, v. 45, pp. 285-298. London, 1898.)

Also in Physical Soc. of London. Proc. London, 1898. 8°. v. 16, pp. 38-53.

Taylor (S. N.) A comparison of the electromotive force of the Clark and cadmium cells. (Physical Rev. *New York*, 1898. 8°. v. 7, pp. 149–170.)

Carhart (Henry S.), and Guthe (Karl E.) An absolute determination of the E. M. F. of the Clark cell. (Physical Rev. v. 9, pp. 288-293. Lancaster, Pa., 1899.)

Trotter (A. P.) The minor variations of the Clark cell. I pl. (Physical Soc. of Lond. Proc. v. 16, pp. 494-508. London, 1899.)

Barnes (H. T.) An hermetically sealed type of Clark standard cell. (Phys. Rev. v. 10, pp. 268-276. Lancaster, Pa., 1900.)

Carhart (Henry S.) The various determinations of the E. M. F. of the Clark cell. (Physical Rev. v. 12, pp. 129-136. Lancaster, Pa., 1901.)

— — Daniell.

**Spruyt** (Cornelius Bellaar). \*De electromotorische krackt van het element van Daniell bij verschillende temperaturen . . . 4 p. l., 176 pp., 1 diagr. *Arnhem : J. van Egmond*, 1867. 8°.

#### ---- Harrison.

**Darling** (J. D.) A new primary battery (The Harrison cell). (Jour. Franklin Inst. v. 148, pp. 55-65. *Philadelphia*, 1899.)

#### ----- Hellesen.

Hellesen-Patent-Trockenelement (Das). (Archiv f. Post u. Telegraphie. v. 29, pp. 65-70. *Berlin*, 1901.)

— — Zamboni.

Yelin (J. C. von). Versuche und Beobachtungen zur näheren Kenntniss der Zambonischen trockenen Säule; eine öffentliche Vorlesung... zur Feyer des 61. Stiftungs-Festes der K. Baier. Akad. d. Wiss. zu München... 28 März 1820. München [1820]. pl. 8°.

Storage Batteries, Accumulators, etc.

Nouvelle pile électrique par Ch. De Vos. [Bruxelles: Impr. Le Roy, 1870.] 3 pp. 8°.

Repr.: Science pour tous, no. 36, août, 1869.

**Thompson** (S. P.) The storage of electricity. *London*, 1881. 8°.

**Buell** (C. E.) The storage of electrical energy. Washington, 1882. 24 pp. 8°.

Gladstone (J. H.), and Tribe (Alfred.) The chemistry of the secondary batteries of Planté and Faure. London, 1883. 12°. (Nature series.)

Reynier (É.) Les accumulateurs électriques; étudiés au point de vue industriel. Paris, 1885. 8°.

Planté (G.) The storage of electrical energy and researches in the effects created by currents combining quantity with high tension; translated from the French by P. B. Elwell. *London*, 1887. 8°.

**Salomons** (Sir D.) Completes Handbuch über die Behandlung von Accumulatoren . . . uebersetzt aus dem Englischen, von J. Huber. Rostock, 1887. 8°.

**Hoppe** (Edmund). Die Akkumulatoren für Elektricität. *Berlin : J. Springer*, 1888. ix, 234 pp. 8°

—— Berlin: J. Springer, 1892. ix, 308 pp. 2. ed. 8°.

**Niblett** (J. T.) Secondary batteries... for the storage of electrical energy. *London* [1890?]. 12°.

Sack (J.) . Die elektrischen Accumulatoren und ihre Verwendung in der Praxis. *Wien*, 1892. 12°. (Elek. tech. Bib. Bd. 45.)

Elbs (K.) Die Akkumulatoren. ill. Leipzig, 1893. 8°.

Livermore (A. E.) How to make an accumulator. (In: Ward (H. S.) Practical radiography ... London, 1896. 12°. pp. 16-24.)

**Loppé** (F.) Les accumulateurs électriques. Paris: Gauthier-Villars et Fils [1896]. (Encyclopédie scientifique des aide-mémoire.) 203 pp. 12°.

Electric (The) Storage Battery Co. Circular. nos. 2051-2, 34-38, 40-60; Instructions P; Price list A. P. Philadelphia: The company, 1897-1900. 8° and 4°.

Fitz-Gerald (Desmond G.) Notes on accumulator construction. (Electrical Engineer. London, 1897-'98. f°. n. s., v. 20, pp. 429-430; 454-455; 490-491; 584-586; 646-647; 679-681; 710-711; 742-743; 774-775. v. 21, pp. 39-41; 72-74; 103-105; 136-137; 170-172; 199-202; 230-231; 262-263; 299-301; 328-330; 393-395; 518-519; 553-554; 593-594. v. 22, pp. 11-13; 70-71; 102-103; 198; 294-295; 747-749; v. 23, pp. 9-10; 42-43; 71-73; 134-135; 167-168; 277-278; 366-367; 463-464; 531-532; 564-565.)

Akkumulatoren (Die) der Berliner Akkumulatorenfabrik G. m. b. H. (Elektrochemische Zeitschr. Berlin, 1898. 4°. Jahrg. 5, pp. 77-79.)

Cahen (A. A.), and Donaldson (J. M.) A comparison between charging a secondary cell at constant potential and at constant current, more especially as regards efficiency. (Electrical Engineer. London, 1898. 4°. n. s., v. 22, pp. 394-398.)

G. (A. F. A.) Akkumulator der Akkumulatorenfabrik in Baumgarten. (Elektrochemische Zeitschr. Berlin, 1898. 4°. Jahrg. 5, pp. 140-149.)

**Schoop** (P.) Handbuch der elektrischen Accumulatoren. Auf Grundlage der Erfahrung und mit besonderer Berücksichtigung der technischen Herstellung. Stuttgart: F. Enke, 1898. x, 514 pp. 8°.

— Ueber die "Planté-Accumulatoren." Stuttgart: F. Enke, 1898. pp. 147-190. 8°.

(Samm. elektrotechn. Vort. Bd. 1, Hft. 4.)

Schoop (P.), and Benndorf (H.) Über die vergleichende Darstellung von Akkumulatoren. (Elektrochemische Zeitschr. Berlin, 1898. 4°. Jahrg. 5, pp. 133–140.)

Storage battery operation on the south side elevated [of Chicago]. (Street Railway Rev. Chicago, 1898. 4°. v. 8, pp. 718-720.)

Treadwell (A.) The storage battery. A practical treatise on the construction, theory and use of secondary batteries. New York: The Macmillan Co., 1898. xx, 257 pp., 2 diagr. 12°.

Zacharias (J.) Transportable Akkumulatoren. Anordnung, Verwendung, Leistung, Behandlung und Prüfung derselben. Nach praktischen Erfahrungen dargestelle. Berlin: W. & S. Loewenthal [1898]. viii, 259 pp. 8°.

**Akkumulator** (Der) Blot. (Elektrochemische Zeitschr. Jahrg. 6, pp. 53-60. Berlin, 1899.)

Adams (Alton D.) Storage batteries versus electric isolated plants. (Cassier's Maga. v. 16, pp. 659-662. New York, 1899.)

**Appleton** (Joseph). Latest progress in the application of storage batteries. (Electrical World. *New York*, 1899. f°. v. 33, pp. 139–144; v. 34, pp. 74–75, 84–85, 108–109, 123.)

**Bellati** (Manfredo). Intorno ad un indicatore della carica degli accumulatori elettrici. (Atti e memorie della R. Accad. di sci. lettere ed arti in Padova. n. s., v. 15, pp. 249 254. *Padova*, 1899.)

**Brandt** (G.) Beitrag zur Berechnung von Bufferbatterien. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 730-732. *Berlin*, 1899.)

Burgess (Chas. Frederick). Changes of electromotive force within the secondary cell. (Wisconsin Engineer. *Madison*, *Wis.*, 1899. 8°. v. 3, pp. 34-47.)

Jumau (L.) Contribution à l'étude de l'accumulateur au plomb. Variation de la capacité avec la concentration de l'acide sulfurique. (Éclairage électrique. Paris, 1899. 4°. v. 18, pp. 201-203.)

Lloyd (Robert McA.) Storage batteries and railway power stations. (Electrical Engineer. New York, 1899. 4°. v. 27, pp. 217-220.)

—— —— (Engineering News & Amer. Railway Jour. v. 41, pp. 126-127.)

**Loppé** (F.) Accumulateurs électriques. (Éclairage électr. v. 18, pp. 323-331; 367-375; 446-452. *Paris*, 1899.)

Marshall (P.) Small accumulators, how made and used. An elementary handbook for the use of amateurs and students. New York: E. & F. N. Spon, 1899. 80 pp. 16°.

Storage Batteries, cont'd.

Mueller (If.) Doppelzellenschalter für Akkumulatoren in Parallelschaltungen mit Stromerzeugern und Leitungsnetz. (Elektrotechnische Ztschr. Berlin, 1899. fo. Jahrg. 20, pp. 152-154.)

Mugdan (Martin). Studien am Bleiakkumulator. (Zeitschr. f. Elektrochemie. Jahrg. 6, pp.

309-320. Halle a. S., 1899.)

Reyval (J.) Accumulateurs pour automobiles électriques. (L'éclairage électr. v. 20, pp. 94-97; 124-126; 336-337. v. 21,pp. 137-138. Paris, 1899.)

Robb (William Lispenard). Rotary transformers and storage batteries as related to long distance transmission. (Electr. Rev. v. 34, pp. 344-345.

New York, 1899.)

Loenen-Martinet (Van). Tramway Traction with Accumulators. (Bulletin of the Railway Congress, No. 1, January, p. 61. 1899.)

Accumulateurs. Les électrodes extensibles. —Les gaz sous pression dans les accumulateurs. (Bull. Soc. indust. de Rouen. année 27, pp. 542-556. Rouen, 1900.)

**Dettmar** (G.) Die günstigste Dimensionirung der Stromabnehmer bei Schleifringen und Kollektoren. (Elektrotechnische Ztschr. Jahrg. 21, pp. 429-436. Berlin, 1900.)

Foerster (F.) Dynamo-elektrische Maschinen und Akkumulatoren. Berlin: L. Marcus, 1900. xi, 206 pp., 1 l. 12°. (In his Die elektrotechnische Praxis . . . Berlin, 1900-01, 12°. Bd. I.)

Heim (C.) Ueber die Ladung von Akkumulatoren bei konstanter Spannung. (Elektrotechnische Ztschr. Jahrg. 21, pp. 269-272; 288-290; 309-312; 329-331; 347-349; 391-394; 416-419; 438-441; 463-465; 487-491; 504-507. *Berlin*, 1900.)

Jumau (L.) Sur la charge des accumulateurs à potentiel constant par C. Heim. (L'éclair. électr. v. 25, pp. 425-438. Paris, 1900.)

- Sur l'emploi d'une électrode supplémentaire dans les recherches sur l'accumulateur électrique. (L'éclairage électrique. v. 24, pp. 59-65. Paris, 1900.)

Kohu (Moritz). Graphische Ermittelung der Leistung von Pufferbatterien. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 78-80. Berlin, 1900.)

Loewitt (Arthur). Sektionsschalter für Ak-(Elektrotechnische Ztschr. kumulatorenladung. Jahrg. 21, pp. 640-641. Berlin, 1900.)

New (The) storage battery of the Kansas City Electric Light Company. (Electrical World and Engineer. v. 36, pp. 686-688. New York, 1900.)

Morden (Konrad). Über eine Methode zur Bestimmung der wahren Oberflächen von Akkumulatorplatten. (Ztschr. f. Elektrochemie. Jahrg. 6, pp. 397-403. Halle a. S., 1900.)

Norris (H. H.) Storage batteries in railway power stations. (Street Railway Jour. v. 16, pp. 892-895. New York, 1900.)

R. (P.) Accumulateur Majert. (Rev. tech. v. 21, pp. 63-66. Paris, 1900.)

Reimer (C.) Preisausschreiben auf Akkumulatoren. (Elektrochemische Ztschr. Jahrg. 7, pp. 37-40. Berlin, 1900.)

Reyval (J.) Accumulateurs de l'accumulatorenfabrik Aktiengesellschaft. (L'éclairage élec trique. v. 25, pp. 220-223. Paris, 1900.)

- Accumulateurs Heinz. (Éclairage électr. v. 24, pp. 161-168. Paris, 1900.)

- Accumulateurs Majert. (L'éclairage electr. v. 25, pp. 374-381.) Paris, 1900.)

- Accumulateurs de la Société pour le travail électrique des métaux. (Éclairage électr. v. 24, pp. 247-251. Paris, 1900.)

Schiff (E.) Spannungsverhältnisse bei Akkumulatoren-Anlagen. (Elektrochemische Zeitschr. Jahrg. 6, pp. 225–226. Berlin, 1900.)

Sieg (E.) Die elektrischen Accumulatoren. (Schillings Jour. f. Gasbeleuchtung. Jahrg. 43, pp. 91-95; 111-113. München, 1900.)

- Vorschriften für die Behandlung der Accumulatoren. (Schillings Jour. f. Gasbeleuchtung. Jahrg. 43, pp. 192-194. München, 1900.)

Stone (Frank J.) The demand for "chloride accumulators" by electric railways. (Street Railway Jour. v. 16, pp. 865–866. New York, 1900.)

Strasser ( ), and Gahl ( ). Über die Gaspolarisation im Bleiakkumulator. (Ztschr. f. Elektrochemie. Jahrg. 7, pp. 11-13. Halle a S., 1000.)

Wade (E. J.) Storage battery problems. (Jour. Inst. of Electr. Engineers. v. 29, pp. 460-495. London, 1900.)

- (Electrical Engineer. v. 31 (n. s., v. 25), pp. 411-413, 443-448. London, 1900.)

Dolezalek (F.), and Gahl (R.) Über den Widerstand von Bleiakkumulatoren und seine Verteilung auf die beiden Elektroden. (Ztschr. f. Elektrochemie. Jahrg. 7, pp. 429-433; 437-441. Halle a S., 1901.

Electric (The) Storage Battery Co. The application of storage batteries to railway plants . . . . Philadelphia, 1901. [4] pp. 4°.

[Illustrated catalogue of the] Exhibit of the E. S. B. C. [at the] Pan-American Exposition, Buffalo, N. Y., 1901. [Buffalo:] Exposition Bulletin [1901]. 12 ll. sq. 4°.

Gift of Engineering News.

Fiévé (G.) Les conjoncteurs-disjoncteurs employés en électricité pour la charge des accumulateurs ou la mise en parallèle de machines dynamos. (Mém. & compte rendu d. trav. Soc. d. ingén. civils de France. Bull., 1901. pp. 665-676. Paris, 1901.)

Grindle (G. A.) On the use of storage batteries in connection with electric tramways. (Jour. Inst. of Electr. Engineers. v. 30, pp. 1098-1127. London, 1901.)

(Electric Engineer. v. 33 (n. s., v. 27), pp. 560-562, 596-599, 705-707. London, 1901.)

Harrington (W. E.) The storage battery located in the power station. (Street Railway Jour, v. 18, pp. 589-592. New York, 1901.)

Heim (C.) Ein Verfahren zur Steigerung der Kapacität der Akkumulatoren. (Elektrotech. Ztsch. Jahrg. 22, pp. 811-815. Berlin, 1901.)

Hibbert (W.) The Pascal Marino accumulator. (Electr. Rev. v. 49, pp. 131-132. London, 1901.)

**Highfield** (J. S.) Storage batteries in electric power stations, controlled by reversible boosters. 5 pl. (Jour. Inst. of Electr. Engineers. v. 30, pp. 1040-1074.)

Storage Batteries, cont'd.

—— (Street Railway Review. v. 11, pp. 487-490. Chicago, 1901.)

Hopkinson (B.) The losses of energy in accumulators. (Electrician. v. 48, pp. 211-214; 263-264. London, 1901.)

**Hull** (R. C.) Influence of storage batteries upon railway generating apparatus. (Electrical Rev. v. 38, pp. 97-99. *New York*, 1901.)

Liagre (Ch.) Influence de la température sur la capacité des accumulateurs au plomb. (L'éclairage électr. v. 29, pp. 149-152. *Paris*, 1901.)

Lunn (Ernest). Installation, operation and economy of storage batteries. (Jour. Assoc. of Engineering Soc. v. 26, pp. 255-272. *Philadel-phia*, 1901.)

**Lyndon** (Lamar). Storage batteries auxiliaries. (Electr. World and Engineer. v. 37, pp. 972-974; 1015-1017; 1071-1073; 1112-1113; v. 38, pp. 13-14; 64-65. *New York*, 1901.)

— The storage battery in railway power station service. (Street Railway Jour. v. 18, pp. 18-22. New York, 1901.)

**Norden**(K.) Calculating a battery for a given output. (Electr. World and Engineer. v. 37, pp. 396-397. *New York*, 1901.)

**Seaman** (Harold). Storage batteries on electric systems. (Wisconsin Engineer. v. 5, pp. 15-27. *Madison*, *Wis.*, 1901.)

Storage battery, crosstown line of the Metropolitan Street Railway company of New York City. (Street Railway Jour. v. 18, pp. 226-228. New York, 1901.)

**Treadwell** (Augustus), jr. Storage batteries in central stations. [With discussion.] (Electrical Rev. v. 38, pp. 692–696. New York, 1901.)

Gabran (Oscar). Einige Versuche mit Zink-Blei-Akkumulatoren. (Elektrotechn. Ztschr. Jahrg. 23, pp. 571-574. Berlin, 1902.)

**Hibbert** (W.) Influence of temperature on the capacity of accumulators. (Elect. Rev. v. 30, pp. 883-884. *London*, 1902.)

Marsh (A. L.) The possibilities for a light weight storage battery. (Electr. World and Engineer. v. 39, pp. 996–998. New York, 1902.

Mühlmann (). Der Betrieb mit Elektrizitäts-Speichern (Akkumulatoren) auf Hauptbahnen. (Organ f. d. Fortschritte des Eisenbahnwesens. v. 57 (n. s., v. 39), pp. 133-140. Wiesbaden, 1902.)

Rabinowics (J.) Zur Frage der Lebensdauer und des Gewichtes der Akkumulatoren. (Elektrochem. Ztsch. Jahrg. 9, pp. 95-97. *Berlin*, 1902.)

Reuterdahl (Arvid). Electric storage batteries. (Cassier's Maga. v. 21, pp. 489-502. New York, 1902.)

Reyyal (J.) Accumulateur l'étampé de la société anonyme d'éclairage et d'applications électrique d'Arras. (L'éclairage électr. v. 31, pp. 168-170. Paris, 1902.)

Stebbins (E. Vail). Storage batteries in mills and factories. (Jour. Asso. of Engineering Soc. v. 29, pp. 1-27. *Philadelphia*, 1902.)

#### - Edison type.

Edison (The) storage battery. (Electr. World and Engineer. v. 38, pp. 134-136. New York, 1001.)

Einige Bemerkungen über den neuen Edison-Akkumulator. (Electrochem. Ztsch. Jahrg. 8, pp. 97-98. *Berlin*, 1901.)

Hibbert (W.) On Mr. Edison's new accumulator. (Electr. Rev. v. 48, p. 1047. London, 1901.)

Jumau (L) Sur le nouvel accumulateur Edison. (L'éclairage électrique. v, 28, pp. 124-130. *Paris*, 1901.)

**Kennelly** (Arthur E.) The new Edison storage battery. (Electr. World and Engineer. v. 37, pp. 867-869. *New York*, 1901.)

Neue (Der) Edison-Akkumulator. (Dingler's Polytech. Jour. v. 316, pp. 469-474. Stuttgart, 1901.)

Roeber (E. F.) On theoretical concentration changes in the new Edison battery. (Electrical World and Engineer. v. 37, pp. 1105-1108. New York, 1901.)

**Wade** (E. J.) Edison's alkaline storage batteries. (Electrician. v. 47, pp. 677-679. *London*, 1901.)

Roeber (E. F.) A thermodynamical note on the theory of the Edison accumulator. (Transac. Amer. Electrochem. Soc. v. I, pp. 195-218. *Philadelphia*, 1902.)

ELECTRODYNAMICS AND ELECTRO-MAGNETISM;
FIELD OF FORCE. ETC.

Oersted (Hans Christian), and Seebeck (T.J.) Zur Entdeckung des Elektromagnetismus [1820-21]; hrsg. von A. J. v. Oettingen. Leipzig, 1895. 12<sup>5</sup>. (Ostwald's Klassiker... no. 63.)

**Davy** (Sir Humphry), bart. Electro-magnetic researches. London, 1821. 4°.

Ampère (A. M.), and Babinet ( ). Exposé des nouvelles Découvertes sur l'Électricité et le Magnétisme. Paris, 1822. 8°.

Ampère (A. M.) Memoire sur l'Action mutuelle de deux Courans électriques. Paris, 1822.

Savary (F.) Mémoire sur l'application du calcul aux phénomènes électro-dynamiques. *Paris*: *Bachelier*, 1823. 26 pp., 1 pl. 4°.

Ampère (A. M.) Précis de la théorie des phénomènes électro-dynamiques. Paris, 1824. 8°.

— Mémoire sur l'action mutuelle d'un conducteur voltaique et d'un aimant, présenté a la séance du 28 Octobre, 1826. [Bruxelles: M. Hayes, 1826?] 88 pp., 3 pl. 4°.

— Théorie des Phénomènes électro-dynamiques. Paris, 1826. 4°.

— Note sur l'action mutuelle d'un aimant et d'un conducteur voltaique. Paris, 1828. 8°.

Electro-magnetic (Of) Phenomena. n. t. p. [London: C. Baldwin, 1830?] 11 pp. 8°.

Henry (J.) On the application of the principle of the galvanic multiplier to electro-magnetic apparatus . . . n. t. p. il. 8°.

Moll (Gerard). Electro-magnetische proeven. (In Amsterdam, Kong, Nederl, Inst. Afzond, uitg. werke. v. 2.) Amsterdam, 1830. 8°.

Roget (P. M.) Electro-magnetism. (In Soc. Diff. Use. Kn. Lib. use. kno. Nat. Phil. v. 2. 1832.)

Schelling (F. W. J.) Ueber Faraday's neueste Entdeckung. München: A. Weber, 1832. 31 pp.

Silliman (Benjamin). Notice of the electromagnetic machine of Thomas Davenport. n. t. p. [New Haven, 1837.] 8°.

Henry (J.) Contributions to electricity and magnetism [no. 3 and 4, on electro-dynamic induction]. Philadelphia, 1839-41. il. 4°

Neumann (F. E.) Allgemeine Gesetze der inducirten elektrischen Ströme. Acad. der Wiss. Berlin, 1845. 8°.

Neumann (F.) Ueber ein allgemeines Princip der mathematischen Theorie inducirter elektrischer Ströme, 1847. Hrsg. von C. Neumann. Leipzig: W. Engelmann, 1892. 96 pp. 12°. (Ostwald's Klassiker. no. 36.)

- Die mathematischen Gesetze der inducirten elektrischen Stroeme [1845] Hrsg. von C. Neumann. Leipzig: W. Engelmann, 1889. 96 pp. 12°. (Ostwald's Klassiker. no. 10.)

Pohl (G. F.) Der Elektromagnetismus und die Bewegung der Himmelskörper in ihrer gegenseitigen Beziehung dargestellt, mit 23 Holzschnitt. Breslau, 1846. 8°.

**Dub** (Julius). De ancoris electromagnetum; dissertatio inauguralis, 20 Maii, 1848. Berolini [1848]. 12°.

Felici (R.) Ueber die mathematische Theorie der elektrodynamischen Induction, 1854. Uebersetzt von B. Dessau. Hrsg. von E. Wiedemann. Leipzig: W. Engelmann, 1899. 122 pp. 12°. (Ostwald's Klassiker der exakten Wissenschaften. no. 109.)

Maxwell (J. C.) On Faraday's field of force. (Transactions of the Cambridge Philosophical Society. v. 10, p. 27. 1855-56.)

- (Maxwell's Scientific Papers. v. 1, p. 155.)

- Ueber Faraday's Kraftlinien . . . Hrsg. von L. Boltzmann. Leipzig: W. Engelmann, 1895. 130 pp. 12°.

(Ostwald's Klassiker. no. 69.)

Davy (M.) Recherches théoriques et expérimentales sur l'électricité considérée au point de vue mécanique. Paris, 1861. 8°.

**Dub** (J.) Der Élektromagnetismus. 1861. il. 8°. Berlin.

**Maxwell** (J. C.) Physical lines of force. (Philosophical Magazine. 4 ser., v. 21, pp. 161, 281, 338; v. 23, pp. 12, 85. 1861-62.)

- (Maxwell's Scientific Papers. v. 1,

p. 451.)
Ueber Physikalischer Kraftlinien. Hrsg. von L. Boltzmann, 1898. 146 pp., 1 l. 12°.

(Ostwald's Klassiker. no. 102.)

Feilitzsch (Friedrich von). Die Lehre von den Fernewirkungen des galvanischen Stromes: Elektromagnetismus, Electrodynamik, Induction und Diamagnetismus. (Karsten, G. Allgem. Encyck. der Phys. v. 19.) Leipsig, 1865. il. pl. 8°.

Maxwell (J. C.) On a Method of making a Direct Comparison of Electrostatic with Electromagnetic Force: with a Note on the Electromagnetic Theory of Light. (Philosophical Transactions. v. 158, pp. 643-657. London, 1869. F°.)

- A treatise on electricity and magnetism. Oxford, 1873. 2 v. 8° - 3. ed. Oxford, 1892. 2 v. 8°.

Neumann (C.) Ueber die den Kräften elektrodynamischen Ursprungs zuzuschreibenden Elementargesetze. (In: Kön.-Sachs. Gesellsch. d. Wiss. Abhandl., 1873.)

Weber (Wilhelm Eduard). Abhandlungen zur atomistischen Theorie der Elektrodynamik. (In Zoellner, J.C. F. Principien. v. 1. 1876.) port. pl.

Zoellner (J. C. F.) Ueber die physikalischen Beziehungen zwischen hydrodynamischen und elektrodynamischen Erscheinungen. (In K. Saechs. Gesellsch. d. Wiss. Math.-phys. Cl. Ber. v. 28. *Leipsig*, 1876.) pl.

- Principien einer elektrodynamischen Theorie der Materie; 1. Bd., 1. Buch: Abhandlungen zur atomistischen Theorie der Elektrodynamik, von Wilhelm Weber. Leipzig, 1876. port. pl. 4°.

- Ueber die von Helmholtz, Thomson und Tait gegen das Weber'sche Gesetz erhobenen Einwände. (In his Wissenschaftliche Abhandlungen. Leipsig, 1878. 8°. v. 21, pp. 13-23.)

- Ueber die Einwendungen von Clausius gegen das Weber'sche Gesetz. (In his Wissenschaftliche Abhandlungen. *Leipsig*, 1878. 8°. v. 2<sup>1</sup>, pp. 70–

Ueber die durch gleitende Reibung fester und flüssiger Körper erzeugten elektrischen Ströme. (In his Wissenschaftliche Abhandlungen. Leipsig, 1878. 8°. v. 21, pp. 101-149.)

Weber (W.), and Zoellner (J. K. F.) Electrodynamische Widerstands-Messungen nach absolutem Maasse. (In Zoellner (J. K. F.) Wissenschaftliche Abhandlungen. Leipsig, 1881. 8°. v. 4, pp. 443-513.)

Gordon (J. E. H.) Four lectures on static electric induction, delivered . . . 1879. New York, 1881. 8°.

Mémoires sur électrodynamique. Paris, 1885-87. 2 v. 8°. (Société française de physique. Collection de mémoires relatifs à la physique. v.

2, 3.)

Mathieu (É.) Théorie de l'électrodynamique.

Paris: Gauthier - Villars et Fils, 1888. x, 296 pp. 4°. (In his Traité de Phys. Math. v. 5.)

May (O.) Lehrbuch der Elektrodynamik, 1. Teil... bearb. nach System Kleyer. Stuttgart, 1888. 8°.

Krebs (A.) Lehrbuch der Inductionselektricität . . . bearb. nach System Kleyer.

1889, 8°. (Encyklopädie d. gesam. math. techn. u. exakten Natur. Kleyer (A.)

May (O.), and Krebs (A.) Lehrbuch des Elektromagnetismus . . . bearb. nach System Kleyer. Stuttgart, 1889. 8°.

Rowland (*Prof.* Henry A.), and Hutchinson (C. T.) On the electromagnetic effect of convection-currents. n. p. [1889]. 445-460 pp., 1 pl. 8°.

Repr.: The Philosophical Magazine for June, 1889.

Rosa (E. B.) The specific inductive capacity of electrolytes: dissertation for the degree of Doctor of Philos. at Johns Hopkins Univ., 1891 . . . n. p. [1892]. pm. 8°.

**Atkinson** (P.) The elements of dynamic electricity and magnetism. 2. ed. *New York*, 1892. 12°.

Neumann (C.) Über einen eigenthümlichen Fall elektrodynamischer Induction. Mit I Holzschnitt. (In: Kön.-Sächs. Gesellsch. d. Wiss, Abhandl. 1892.)

Heaviside (O.) Electromagnetic theory. v. 1-2. London: Electrician Print. & Pub. Co., 1893-99. 2 v. 8°. (The Electrician ser.)

**Hirsch** (Emil). \*Ueber den Einfluss der Temperatur auf die elektromagnetische Drehung der Polarisationsebene des Lichtes in Eisen, Kobalt and Nikel. *Berlin: G. Schade* [1893]. 30 pp., 1 l., 2 diag. 8°.

**Drude** (Paul). Physik des Æthers auf elektromagnetischer Grundlage. Stuttgart: F. Enke, 1894. xvi, 592 pp. 8°.

**Northrup** (E. F.) \*A method for comparing the values of the specific inductive capacity of a substance under slowly and rapidly changing fields: results for paraffin and glass... May I, 1895. *Baltimore: Press of the Friedenwald Co.*, 1895. 18 pp., I l. 8°.

Jackson (D. C.), and Jackson (J. P.) A text book on electro-magnetism and the construction of dynamos. New York: Macmillan & Co., 1896-'97. 2 v. 12°.

 $v.\ 2$  has title: Alternating currents and alternating current machinery.

Jones (J. Viriamu). On the Magnetic Field of an Elliptical Current at a point in its plane within it. (Phys. Soc. of Lond. Proc. Vol. xiv, p. 250.)

Armstrong (Lord). Electric movement in air and water, with theoretical inferences. vii pp., 55 ff., 32 pl. London: Smith, Elder & Co., 1897. f°.

**Bose** (J. C.) Electrical Conductivity and Anisotropic Absorption of Electro-Magnetic Radiation, Relation between. (Roy. Soc. Proc., vol. 60, 1897, pp. 433-436.)

— Electro-Magnetic Radiation, Polarisation of, by Nemalite, Chrysotile, Fibrous Gypsum, and Epidote. (Roy. Soc. Proc., vol. 60, 1897, pp. 433-436.)

**Schweidler** (Egon, Ritter von). Über Rotationen im homogenen elektrischen Felde. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 106, pt. 2a, pp. 526-532. Wien, 1897.)

Bryan (George Hartley). On electromagnetic induction in plane, cylindrical, and spherical current-sheets, and its representation by moving trails of images. Parts II. and III. Illus. (Philos. mag. and jour. of science, ser. 5, v. 45, pp. 381-397. London, 1898.)

Part I. is in ser. 5, v. 38, pp. 198-206.

Cassaniga (Tito). Sul toerema di Weierstrass nel campo ellittico. (Rendiconti Ist. Lomb., serie 2, vol. 31, p. 1065. *Milano*, 1898.)

**Delin** (Carl). Några konsekvenser af Webers lag för elektriska massor, tillämpad på materiella punkter. [2]+30 p. (Lunds univ. årsskrift, v. 34, pt. 2, no. 3. Lund, 1898.)

Hess (H.) Das Magnetfeld einer zweipoligen Dynamomaschine. (Electrotechnische Zeitschr. Berlin, 1898. f°. v. 19, pp. 769-772.)

Hess (William). Untersuchungen an Inductorien. 1 pl. (Annalen der Physik und Chemie. Leipzig, 1898. 8°. n. s., v. 66, pp. 980–998.)

Klemenčič (Ignaz). Weitere Untersuchungen über den Energieverbrauch bei der Magnetisirung durch oscillatorische Condensatorenentladungen. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 107, pt. 2a, 330-360. Wien, 1898.)

Wien (Max). Ueber die Magnetisirung durch Wechselstrom. (Annalen der Physik und Chemie. Leipzig, 1898. S°. n. s., v. 66, pp. 859-953.)

**FitzGerald** (Francis). On a hydro-dynamical hypothesis as to electro-magnetic actions. (Roy. Dublin Soc. Scientif. proc. n. s., v. 9, pp. 50-54. *Dublin*, 1899.)

**Heydweiller** (Adolf). Ueber bewegte Körper im elektrischen Felde und über die elektrische Leitfähigkeit der atmosphärischen Luft. (Annalen der Physik u. Chemie. n. s., v. 69, pp. 531-575. *Leipsig*, 1899.)

Lecher (Ernst). Über einen theoretischen und experimentellen Trugschluss in der Elektricitätslehre. Illus. (Kais. Akad. d. Wissensch. Mathanaturwiss. Classe. Sitzungsb. v. 108, pt. 2a, pp. 977-988. Wien, 1899.)

Parkas (Julius). Ergänzungen zur Vektoren-Lehre und zur Lehre des Elektro-Magnetismus. (Mathematische u. naturwissenschaftl. Berichte aus Ungarn. v. 16, pp. 111–153. Budapest, 1899.)

**Poincaré** (H.) L'énergie magnétique d'après Maxwell et d'après Hertz. (Éclairage électrique. v. 18, pp. 361-367.) *Paris*, 1899.

**Potier** (A.) Observations sur la réaction d'induit et les ampères-tours démagnétisants apropos d'une communication de M. Picou. (Éclairage électrique. v. 19, pp. 241-246. *Paris*, 1899.)

**Rosa** (Edward B.) On the derivation of the equations of a plane electro-magnetic wave. (Physical Rev. v. 8, pp. 282-296. *Lancaster*, *Pa.*, 1899.)

Whitehead (C. S.) On the effect of a solid conducting sphere in a variable magnetic field on the magnetic induction at a point outside. (Physical Soc. of Lond. Proc. v. 16, pp. 474-490. London, 1899.)

**Wiechert** (E.) Grundlagen der Elektrodynamik. 112 pp. (In: Festschrift zur Feier der Enthüllung des Gauss-Weber-Denkmals in Göttingen... *Leip*zig, 1899. 4°.)

Wolf (Franz Emil). \*Berechnung und Versuch zum Nachweis der ponderomotorischen Wirkung von veränderlichen magnetischen Feldern auf elektrostatisch geladne Körper . . . Griefswald: F. W. Kunike, 1899. 44 pp., 2 pl. 8°.

**Abraham** (H.) Les mesures de la vitesse v. (Congrès internat. de physique. 1900. Rapports. v. 2, pp. 247-268. *Paris*, 1900.)

**Bakker** (G.) Théorie de l'induction électrique. (Archives néerlandaises. ser. 2, v. 5, pp. 312-321. La Haye, 1900.)

**Blondlot** (R.), and **Gutton** (C.) Sur la determination de la vitesse de propagation des ondulations électromagnétiques. (Congrès internat. de physique. 1900. Rapports. v. 2, pp. 268-283. *Paris*, 1900.)

Carter (F. W.) Note on air-gap and interpolar induction. (Jour. Inst. of Electr. Engineers. v. 29, pp. 925-933. *London*, 1900.)

Cohn (E.) Das elektromagnetische Feld. Vorlesungen über die Maxwell'sche Theorie. Leipzig: S. Hirzel, 1900. xxiii, 577 pp., 1 pl. 8°.

— Über die Gleichungen der Electrodynamik für bewegte Körper. (Archives néerlandaises, ser. 2, v. 5, pp. 516-523. *La Haye*, 1900.)

**Du Bois** (H.) Propriétes magnétiques de la matière pondérable. (Congrès internat. de physique. 1900. Rapports. v. 2, pp. 460-508. *Paris*, 1900.)

**Duhem** (Pierre). Sur la théorie électrodynamique de Helmholtz et la théorie électromagnetique de la lumière. (Archives néerlandaises. ser. 2, v. 5, pp. 227-236. *La Haye*, 1900.)

Fessenden (R. A.) Electromagnetic mechanism, with special reference to telegraphic work. (Jour. Franklin Inst. v. 149, pp. 459-470; v. 150, pp. 62-80; 106-133. *Philadelphia*, 1900.)

Garbasso (Antonio). Ueber eine Darstellung der lichtdrehenden Körper. (Archives néerlandaises. ser. 2, v. 5, pp. 524-528. La Haye, 1900.)

Graets (L.) Ueber die Quincke'schen Rotationen im elektrischen Feld. (Annalen d. Physik. ser. 4, v. 1 (v. 306), pp. 530-541. Leipzig, 1900.)

**Hagenbach** (Eduard). Der elektromagnetische Rotationsversuch und die unipolare Induktion. Basel: F. Reinhardt, 1900. 38 pp. 4°.

**Kaufmann**(W.) Elektrodynamische Eigentümlichkeiten leitender Gase. (Annalen d. Physik. ser. 4, v. 2 pp. 158–178. *Leipsig*, 1900.)

**Krogh** (K.), and **Rikli** (H.) Ueber magnetische Trägheit. (Elektrotech. Ztsch. Jahrg. 21, pp. 1083–1086. Berlin, 1900.)

Mewes (Rudolf). Der Erdinduktor von Wilhelm Weber, seine Theorie und Anwendung. (Dingler's polytech. Jour. Jahrg. 81, v. 315, pp. 576-579. Stuttgart, 1900.)

**Poincaré** (Henri). La théorie de Lorentz et le principe de réaction. (Archives néerlandaises. ser. 2, v. 5, pp. 252-278. La Haye, 1900.)

— Sur l'induction unipolaire. (L'éclair. électr. v. 23, pp. 41-53. *Paris*, 1900).

**Poynton** (J. H.) Le mode de propagation de l'énergie et de la tension électrique dans le champ electromagnétique. (Congrès. internat. de physique. 1900. Rapports. v. 2, pp. 284-300. *Paris*, 1900.)

Raveau (C.) Sur la loi élémentaire des actions électromagnétiques et l'induction unipolaire.

Éclairage électr. v. 22, pp. 161-166. Paris, 1900.)

—— (Jour. de physique ser. 3, v. 9, pp. 150-153. Paris 1900.)

Schmauss (August). Ueber anomale elektromagnetische Rotationsdispersion. (Annalen d. Physik. ser. 4, v. 2, pp. 280-294. *Leipzig*, 1900.)

**Thompson** (Sylvanus P.) Electromagnetic mechanisms. (Electrical Rev. v. 37, pp. 284-285. *New York*, 1900.)

Wien (Willy). Über die Möglichkeit einer elektromagnetischen Begründung der Mechanik. (Archives neerlandaises. ser. 2, v. 5, pp. 96-107. La Haye, 1900.)

Adams (Edwin P.) The electromagnetic effects of moving charged spheres. (Lond., Edinb. & Dub. Philosoph. Maga. ser. 6, v. 2, pp. 285-299. London, 1901.)

—— (Amer. Jour. of Sci. ser. 4, v. 12, pp. 155-167. New Haven, 1901.)

— Die elektromagnetische Wirkung von bewegten geladenen Kugeln. (Physikal. Ztsch. Jahrg. 3, pp. 41-45. *Leipzig*, 1901.)

Buchanan (John). A contribution to the theory of magnetic induction in iron and other metals. (Lond., Edinb. and Dublin Philosoph. Maga. v. 51 (ser. 6, v. 2), pp. 330-341; 456-462. London, 1901.)

Carter (F. W.) Air-gap induction. (Electr. World and Engineer. v. 38, pp. 884-888. New York, 1901.)

Cohn (Emil). Ueber die Gleichungen des elektromagnetischen Feldes für bewegte Körper. (Annalen d. Physik. ser. 4, v. 7, pp. 29-56. *Leipzig*, 1902.)

— (Nachrichten v. d. Kön Gesellsch. d. Wissench. zu Göttingen. Mathemat.-Physikal. Klasse. 1901, pp. 74–99. Göttingen, 1901.)

Cremieu (Victor). Recherches sur le champs électrique produit par des variations magnétiques. (Annales de chimie & de physique. ser 7, v. 24, pp. 85-118. *Paris*, 1901.)

— Recherches sur l'effet magnétique de la convection électrique. (Annales de chimie & de physique. sér. 7, v. 24, pp. 145-204. *Paris*, 1901.)

Everdingen (E. van), Jr. Quelques remarques sur l'application de la théorie des électrons à l'augmentation de la résistance électrique dans un champ magnétique et au phénomène de Hall. (Archives néerlandaises. sér. 2, v. 6, pp. 294-302. La l'aye, 1901.)

Franklin (William S.) \*Poynting's theorem and the distribution of electric field inside and outside of a conductor carrying electric current... Cornell University... Lancaster, Pa.: New Era Pr. Co. [1901]. pp. 25. 4°.

Repr.: Physical Review, v. 13, No. 3.

— Poynting's theorem and the distribution of electric field inside and outside of a conductor carrying electric current. (Phys. Rev. v. 13, 165–181. *Lancaster*, Pa., 1901.)

Grotrian (O.) Elektrometrische Untersuchungen über unipolare Induction. (Annalen d. Physik. ser. 4, v. 6, pp. 794-817. Leipzig, 1901.)

Guarini (Émile). Induction experiments. (Electrical Engineer. v. 33 (n. s., v. 27), pp. 442-445. London, 1901.)

Hagenbach (E.) Der elektromagnetische Rotations versuch und die unipolare Induction. (Annalen der Physik. ser 4, v, 4, pp. 233-276. Leipsig, 1901.)

Olshausen (George Robert). \*Über die Unipo-Friedrich-Wilhelms-Universität larrotation . . . zu Berlin . . . Berlin : G. Schade [1901]. 1 p. l., 44 pp. 4°.

- (Annalen d. Physik. ser. 4, v. 6, pp. 681-725. Leipzig, 1901.)

Pocklington (H. C.) On the fundamental equations of electrodynamics and Cremieu's experiment. (London, Edinb. and Dublin Philosoph. Maga. and Jour. of Sci. ser. 6, v. 1, pp. 325-330. London, 1901.)

Sauter (J.) Zur Interpretation der Maxwell'schen Gleichungen des elektromagnetischen Feldes in ruhenden isotropen Medien. (Annalen d. Physik. ser. 4, v. 6, pp. 331-328. *Leipsig*, 1901.)

Wien (W.) Ueber die Möglichkeit einer elektromagnetischen Begründung der Mechanik. (Annalen d. Physik. ser. 4, v. 5, pp. 501-513. Leipsig, 1901.)

Barnett (S. J.) The generalization of Gauss's theorem. (Phys. Rev., v. 15, pp. 172-174. Lancaster, Pa., 1002.)

Bauch (R.) Feldverzerrung und Ankerrückwirkung. (Elektrotech. Ztsch. Jahrg. 23, pp. 611-615; 624-630. Berlin, 1902.)

Brillouin (). Influence reciproque de deux oscillateurs voisins. (Annales de chimie & de physique. sér. 7, v. 27, pp. 17-26. Paris, 1902.)

Bucherer (A. H.) Ueber das Kraftfeld einer sich gleichförmig bewegenden Ladung. (Annalen d. Physik. ser. 4, v. 8, pp. 326-335. Leipsig, 1902.)

De Forest (Lee). The field of force in wireless telegraphy. (Electr. World and Engineer. v. 39, pp. 858-860. New York, 1902.)

Duane (William). On the boundary conditions of the electrical field. (Phys. Rev. v. 14, pp. 149-157. Lancaster, Pa., 1902.)

Heinke (C.), and Ebert (H.) Die Elektrophysik und die Theorie des Elektromagnetismus. Abteilung 1. (Handbuch der Elektrotechnik . . . hrsg. von C. Heinke, Bd. 1.) Leipzig: S. Hirzel, 1902.

4°. Abtlg. 1. Heinke (C.) Die Entwickelung der Elektrophysik . .

Hlawati (F.) Eine experimentelle Prüfung der Clausius-Mosotti'schen Formel. Illus. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 110, pt. 2a, pp. 454-484. Wien, 1901.)

Levi-Civita (Tullio). Influenza di uno schermo conduttore sul campo elettro-magnetico di una corrente alternativa parallela allo schermo. (R. accad. d. Lincei. Rendic. classe d. sci. fis. ser. 5, v. 11, pt. 1, pp. 163-170, 191-198, 228-237. Roma, 1902.)

- Sur le champ électromagnétique engendré par la translation uniforme d'une charge électrique parallèlement à un plan conducteur indéfini. (Annales de la faculté des sciences de l'Univ. de Toulouse. sér. 2, v. 4, pp. 5-44. Paris, 1902.)

Morton (W. B.) On the forms of the lines of electric force and of energy flux in the neighbourhood of wires leading electric waves. (Lond., Edinb. and Dub. Philosoph. Maga. & Jour. of Sci. ser. 6, v. 4 (v. 54), pp. 302-314. London, 1902.)

Paillot (R.) Recherches sur les forces electromotrices d'aimantation. (Jour. de Physique théor. & appli. sér. 4, v. 1, pp. 207-228. Paris, 1902.)

Pollock (J. A.), and Vonwiller (O. U.) Some experiments on electric waves in short wire systems, and on the specific inductive capacity of a specimen of glass. (Lond., Edinb. and Dublin Philosoph. Maga. ser. 6, v. 3, pp. 586-606. London, 1902.)

Potier (A.), and Poincaré (H.) Sur les exériences de M. Crèmieu et une objection de M. Wilson (L'èclairage electrique. v. 31, pp. 83-93. Paris, 1902.)

**Riecke** (Edward). Sur Bewegung eines elektrischen Teilchens in einem constanten elektromagnetischen Felde. (Annalen d. Physik. ser. 4, v. 7, pp. 401-407. Leipzig, 1902.)

- (Physical Ztschr. Jahrg. 3, pp. 182-183. Leipzig, 1902.)

Weber (Rudolf H.) Elektromagnetische Schwingungen in Metallröhren. (Annallen d. Physik. ser. 4, v. 8, pp. 721-751. Leipzig, 1902.)

Whitehead (John B.) The magnetic effect of electric displacement. (Amer. journ. of sci. ser. 4, v. 14 (v. 164), pp. 109-128. New Haven, 1902.)

Wilson (Ernest). The dissipation of energy by electric currents induced in an iron cylinder when rotated in a magnetic field. (Electr. Engineer. v. 36 (n. s., v. 30), pp. 226-228, 272-274. London, 1902.)

(Proceedings Royal Society. v. 70, London, 1902.) PP- 359-574.

(Electrical Review. v. 41, pp. 116-117; 133-135. New York, 1902.)

#### Electro Magnets.

Du Moncel (T. A. L.), conte. Electro-magnets; the determination of the elements of their construction. Translated from 2. ed. New York, 1883.

(Van Nostrand's science series. no. 64.)

Thompson (S. P.) The electromagnet and electromagnetic mechanism. 2. ed. (Finsbury technical manuals.) London, 1892. 8°.

Bois (H. du). Halbring-Elektromagnet. (Zeitschr. f. Instrumentenkunde. Jahrg. 19, pp. 357-364. Berlin, 1899.)

- (Annalen d. Physik. ser. 4, v. 1, pp. 199-206. Leipsig, 1900.)

Goldsborough (W. Elwell). Design of tractive electromagnets. (Electr. World and Engineer. v. 36, pp. 125-132. New York, 1900.)

Electro Magnets, cont'd.

**Guénée** (A.) Applications industrielles des electro-aimants. (Bull Soc. internat. d'électriciens. v. 17, pp. 463-474. *Paris*, 1901.)

Lifting magnets (Sci. and Industry. v. 6, pp. 365-368. Scranton, Pa., 1901.)

**Thornton** (W. M.) The distribution of magnetic flux in large electromagnets. (Electr. Engineer. v. 35 (n. s., v. 29), pp. 523-528; 555-557; 590-592; suppl. to v. 35, May 9, 1902, pp. 5-7. London, 1902.)

—— (Electrician. v. 49, pp. 229-231, 303-305. London, 1902.)

#### Induction Coil.

Loiseau (A.) Notice sur quelques expériences curieuses et amusantes que l'on peut répéter avec l'appareil dit bobine de Ruhmkorff... Paris: A. Loiseau Fils [18—?]. 4 p. l., 22 pp. 8°.

**Du Moncel** (T. A. L.) Sur l'appareil d'induction électrique de Ruhmkorff, et les expériences que l'on peut faire avec cet instrument. *Paris*, 1855. il. 8°.

**Noad** (Henry M.) The inductorium, or induction coil; being a popular explanation of the electrical principles on which it is constructed. With the description of a series of . . . experiments . . . London : J. Churchill & Sons, 1868. 117 pp., 1 pl. 3. ed. 16°.

Zoellner (J. K. F.) Ueber die unipolare Induction eines Solenoides. (In his Wissenschaftliche Abhandlungen. Leipzig, 1878. 8°. v. 2<sup>1</sup>, pp. 57-69.)

Induction coils; how made and how used. [By Dyer.] Reprinted from the eighth English edition. New York: D. Van Nostrand, 1881. 123 pp. 24°. (Van Nostrand's science series. no. 53.)

**Bonney** (G. E.) Induction coils; a practical manual for amateur coil-makers. *New York*, 1892. 12°.

Maclean (M.) Some recent experiments with a Ruhmkoff coil. [Glasgow? 1892?] 7 pp., 1 p.l. 8°.

Allsop (F. C.) Induction coils and coil-making.

London, 1894. il., 1 pl. 12°.

**Robins** (E. A.) How to make an induction coil. (In: Ward (H. S.) Practical radiography... *London*, 1896. 12°. pp. 25-31.)

Wright (L.) The induction coil in practical work, including Röntgen X-rays. vi., 1 l., 172 pp., 4 pl. London: Macmillan & Co., 1897. 12°.

**Boynton** (William Pingry). A quantitative study of the high-frequency induction coil. 7 illus. (Philos. Mag. and Jour. of Science. ser. 5, v. 46, pp. 312-338. London, 1898).

—— — (Physical Review. v. 7, pp. 35-63. New York, 1898. 8°.)

Misuno (T.) On the function of the condenser in an induction coil. *Illus*. (Philos. mag. and jour. of science. ser. 5, v. 45, pp. 447-454. *London*, 1898.)

Oberbeck (A.) Ueber die Spannung an dem Pole eines Inductionsapparates. (Annalen der Physik u. Chemie. n. s., v. 62, pp. 109-132; v. 64, pp. 193-216; v. 67, 592-607. Leipzig, 1899.)

Armagnat (H.) Sur la théorie de la bobine d'induction. (L'éclairage électr. v. 22, pp. 121-125. Paris, 1900.)

Beattie (R.) The spark-length of an induction coil. (Lond., Edinb., and Dublin Philosoph. Maga. and Jour. of Sci. ser. 5, v. 50, pp. 139–148. *London*, 1900.)

Johnson (K. R.) Beiträge zur Kenntnis der Vorgänge in Inductionsapparaten. (Annalen d. Physik. ser. 4, v. 3, pp. 438-460; 744-748; v. 4, pp. 137-164; 722-733. Leipzig, 1900-'01.)

Klingelfuss (Fr.) Untersuchungen an Induktorien an Hand der Bestimmungsstücke derselben. 15 illus. (Naturforsch. Gesellsch. in Basel. Verhandl., v. 13, pp. 227-270. Basel, 1901.)

Neu (S. S.), Levine (A. J.), and Havill (O. A.) The heating of magnet coils. (Electr. World and Engineer, v. 38, pp. 56-58. New York, 1901.)

Peckham (W. C.) A new induction coil. (Scientific Amer. v. 84, p. 7. New York, 1901.)

Rayleigh (John William Strutt), baron. On the induction coil. Archives néerlandaises, ser. 2, v. 6, pp. 197-211. La Haye, 1901.)

— On the induction coil. (Lond., Edinb. and Dub. Philosoph. Maga. and Jour of Sci. ser. 6, v. 2, pp. 581-594. London, 1901.)

Schneider (N. H.) Induction coils: how to make, use and repair them... New York: Spon & Chamberlain, 1901. xvi, 269 pp., I pl. 2 ed. 16°.

Winding machine for magnet coils. (Amer. Machinist. v. 24, pp. 683-684. New York, 1901.)

Ives (James Edmund). Contributions to the study of the induction coil. (Phys. Rev. v. 14, pp. 280-314; v. 15, 7-19. Lancaster, Pa., 1902.)

Lyle (Thomas R.) On circular filaments or circular magnetic shells equivalent to circular coils, and on the equivalent radius of a coil. (Lond., Edinb. and Dub. Philosoph. Maga. ser. 3, v. 3, pp. 310-329. London, 1902.)

Rayleigh (J. W. Strutt), baron. Sur la bobine d'induction. (Annales de chimie & de physique. sér. 7, v. 26, pp. 178-212. Paris, 1902.)

Rollins (William). An induction coil for X-light tubes and wireless telegraphy. (Electr. Rev. v. 40, pp. 406-411. New York, 1902.)

**Trowbridge** (John). The induction coil. (Lond., Edinb. and Dub. Philosoph. Maga. ser. 6, v. 3, pp. 393-396. *London*, 1902.)

Inductance, Self-Induction, Dielectrics, etc.

**Bowie** (A. J.), jr. Mutual inductance of three-phase circuits. (Electr. World and Engineer. v. 35, pp. 939-944. New York, 1900.)

**Carpenter** (Hubert V.) A new method of comparing two self-inductances. (Physical Rev. v. 10, pp. 52-62. *Lancaster*, Pa., 1900.)

— Über eine neue Methode zur Vergleichung zweier Selbstinduktionen. (Physikalische Ztschr. Jahrg. 1, pp. 353-356. *Leipzig*, 1900.)

**Duane** (William). The absolute measurement of self-inductance. (Phys. Rev. v. 13, pp. 250-252. Lancaster, Pa., 1901.)

Inductance, cont'd.

**Mannetti** (Riccardo). Sull' uso dell' elettrodinamometro nella misura dei coefficienti di induzione mutua. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 10, pt. 2, p. 179–186. *Roma*, 1901.)

Schuster (Arthur). An electric inertia and the inertia of electric convection. (Phys. Soc. of London. Proc. v. 17, pp. 631-643. London, 1901.)

**Self-induction.** Difference between resistance and self-induction. Experiments to illustrate effects of self-induction. Unit of self-induction. (Sci. and Industry. v. 6, pp. 337-340. Scranton, Pa., 1901.)

**Searle** (G. F. C.) On the coefficient of mutual induction for a circle and a circuit with two parallel sides of infinite length. (Proc. Cambr. Philosoph. Soc. v. 11, pp. 398-406. *Cambridge*, 1902.)

Varley (W. Mansergh). On a new method of measuring small self-inductions. (Electrician. v. 49. pp. 337-338. *London*, 1902.)

Fleming (J. A.), and Dewar (James). Dielectric Constants of certain Frozen Electrolytes at and above the Temperature of Liquid Air. (Roy. Soc. Proc., v. 61, 1897, pp. 299-316.)

—— Dielectric Constants of Ice, Glycerine, Ethylene Dibromide and Nitrobenzol, at and above the Temperature of Liquid Air. (Roy. Soc. Proc., v. 61, 1897, pp. 316-330.)

— Dielectric Constants of Liquid Oxygen and Liquid Air. (Roy. Soc. Proc., v. 60, 1896, pp. 358-368.)

Hasenoehrl (Fritz). Über den Temperaturcoëfficienten der Dielektricitätsconstante in festen Isolatoren. (Kais. Akad. d. Wissensch. Math.naturwiss. Classe. Sitzungsb. v. 106, pt. 2a, pp. 69-82. Wien, 1897.)

Corbino (O. M.), and Cannizzo (F.) Sulla variazone della costante dielettrica del caoutchouc per la trazione. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 7, pt. 2, pp. 286–292. Roma, 1898.)

Ercolini (Guido). Variazione della costante dielettrica del vetro per la trazione meccanica. *Illus*. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 7, pt. 2, pp. 172–177, 183–189. *Roma*, 1898.)

Erskine (J. A.) Ueber die gegenseitige Wirkung zweier Stromkreise und ihre Anwendung auf die Bestimmung der Dielectricitätsconstanten. (Annalen der Physik und Chemie. *Leipzig*, 1898. 8°. n. s., v. 66, pp. 269–283.)

Korn (Arthur) Über die Erhaltung des dielektrischen Zustandes einer inkompressiblen Flüssigkeit. (Kön-bayer. Akad. d. Wissensch. Sitzungsbmath.-phys. Classe, v. 28, pp. 135-140. München, 1898.)

Leick (Walter). Ueber die Leitung der Electricität durch dunne Schichten dielectrischer Substanzen. (Annalen der Physik und Chemie. Leipsig, 1898. 8°. n. s., v. 66, pp. 1107–1127.)

**Appleyard** (Rollo). On Dielectrics. (Phys. Soc. of London. Proc., vol. xiv., p. 255.)

Coolidge (W. D.) Dielektrische Untersuchungen und elektrische Drahtwellen. (Annalen d.

Physiku. Chemie. n. s., v. 69, pp. 125-166. Leipzig, 1899.)

Corbino (Orso Mario). Variazione della costante dielettrica del vetro per la trazione. (R. accad. d. Lincei. Rendic. classe di sci. fis. v. 8, pt. 2, pp. 238-244. Roma, 1899.)

**Drago** (Ernesto). Sul fenomeno di Sanford nell' argentana. 16 pp. (Atti d. accad. Gioenia di sci. naturali in Catania. ser. 4, v. 12, mem. 16. *Catania*, 1899.)

Naccari (Andrea). Intorno alla resistenza ed alla carica residua dei dielettrici liquidi a varie temperature. (R. accad. d. scienze. Atti, v. 34, pp. 1088–1101. *Torino*, 1899.)

**Pellat** (H.) Polarisation réelle des diélectriques. Conséquences de cette polarisation. (Annales de chimie & de physique. sér. 7; v. 18, pp. 150–181. *Paris*, 1899.)

— and Sacerdote (P.) Sur la variation des constantes diélectriques avec la température. (Jour. de Physique théorique et appliquée. sér. 3, v. 8, pp. 17-20. Paris, 1899.)

Sacerdote (P.) Déformations électriques des diélectriques solides isotropes. (Jour. de Physique théor. & appli. sér. 3, v. 8, pp. 457-471; 531-541. Paris, 1899.)

Schauselberger (W.) Ueber Polarisation und Hysteresis in dielektrischen Medien. (Naturwissenschaftliche Rundschau. Jahrg. 15, pp. 273-274. Braunschweig, 1899.)

———— (Annalen der Physik und Chimie. n. s., v. 67, pp. 307-324. *Leipzig*, 1899. 8°.) **Turpain** ( ). Sur la propagation des oscillations dans les milieux diélectriques. (Éclairage électr. v. 21, pp. 11-16. *Paris*, 1899.)

Almy (J. E.) Ueber die Funkenpotentiale in festen und tropfbarflüssigen Dielektricis. (Annalen d. Physik. ser. 4, v. 1 (v. 306), pp. 508-529. Leipzig, 1900.)

Artom (Alessandro). Rotazioni elettrostatiche dei dielettrici liquidi. *Plate*. (R. accad. d. scienze. Atti, v. 35, pp. 722-725. *Torino*, 1900.)

**Beaulard** (F.) Sur les formules de Mossotti-Clausius et de Betti relatives à la polarisation des diélectriques. (Annales de l'Univers. de Grenoble, v. 12, pp. 91-94. *Paris*, 1900.)

Bibbins (Jas. Rowland). Dielectric strength. (Electr. World & Engineer. v. 36, pp. 279-282. New York, 1900.)

**Duhem** (P.) Sur la déformation des diélectriques polarisés. (Jour. de Physique théor. & appli. sér. 3, v. 9, pp. 28-29. *Paris*, 1900.)

More (Louis T.) On the supposed elongation of a dielectric in an electrostatic field. (Lond., Edinb. & Dub. Philosoph. Maga. & Jour. of Sci. v. 50, pp. 198-210. London, 1900.)

Sacerdote (Paul). Note au sujet d'un mémoire de M. L. T. More. "On the supposed elongation of a dielectric in an electrostatic field." (Jour. de physique. sér. 3, v. 10, pp. 200-204. Paris, 1901.)

Pellat (H.) Des diélectriques et de leur polarisation réelle. (Jour. de Physique théor. & applisér. 3, v. 9, pp. 313-325. Paris, 1900.)

Inductance, cont'd.

**Sacerdote** (P.) Les déformations électriques des diélectriques solides isotropes. (L'éclairage électr. v. 23, pp. 5-13. *Paris*, 1900.)

— Recherches théoriques sur les déformations électriques des diélectriques solides isotropes. (Annales de chimie et de physique. ser 7, v. 20, pp. 288-377. *Paris*, 1900.)

Schweidler (Egon), Ritter von. Über das Verhalten flüssiger Dielektrica beim Durchgange eines elektrischen Stromes. Illus. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 109, pt. 2a, pp. 964-973. Wien, 1900.)

Ashton (A. W.) Note on the electrification of dielectrics by mechanical means. (Lond., Edinb. and Dublin Philosoph. Maga. and Jour. of Sci. ser. 6, v. 2 (v. 51), pp. 233-235. London, 1901.)

On the resistance of dielectrics, and the effect of an alternating electro-motive force on the insulating properties of india rubber. (London, Edinb., and Dublin Philosoph. Maga. v. 51 (ser. 6, v. 2), pp. 501-523. London, 1901.)

—— — (Physical Society of London. Proceedings. v. 17, pp. 720-745. London, 1901.)

**Drysdale** (Charles V.) Dielectric losses in condensers and cables and their bearing on electrical supply. (Electrician. v. 46, pp. 890-892. *London*, 1901.)

Fleming (J. A.) On a model which imitates the behaviour of dielectrics. (Lond., Edinb., and Dublin Philosoph. Maga. and Jour. of Sci. ser. 6, v. 2 (v. 51), pp. 228-233. London, 1901.)

---- (Physical Society of London. Proceedings. v. 17, pp. 745-721. London, 1901.)

Hoór (Moritz von). Neuere Beiträge zur Naturgeschichte dielektrischer Körper. (Elektrotechnische Ztschr. Jahrg. 22, pp. 170-172; 187-191; 213-215; 716-719; 749-751; 781-785. Berlin, 1901.)

**Ladenburg** (R.) Bestimmung der dielektrizitätskonstanten einiger Körper der Pyridin und Piperidinreihe nach Drudes Methode. (Ztschr. f. Elektrochemie. Jahrg. 7, pp. 815–817. *Halle a. S.*, 1901.)

Maccarone (F.) Ein Messapparat für die Erscheinungen der dielektrischen Polarisation. (Physikal. Ztschr. Jahrg. 3, pp. 57–59. *Leipzig*, 1901.)

More (Louis T.) Notes on dielectric strain. (London, Edinb., and Dublin Philosoph. Maga. v. 51 (ser. 6, v. 2), pp. 527-531. London, 1901.)

**Sacerdote** (Paul). Sur un cas particulier de déformation électrique d'un diélectrique solide isotrope. (Jour. de Physique. sér. 3, v. 10, pp. 196-200. *Paris*, 1901.)

Schlundt (Herman). On the dielectric constants of pure solvents. *Madison*: [The Univ.] 1901. I p. l., pp. 355-389. 8°. (Univ. of Wis. Bull. no. 49. sci. ser., v. 2, no. 6.)

**Drude** (P.) Zur Messung der Dielektricitätsconstante vermittelst elektrischer Drahtwellen. (Annalen d. Physik. ser. 4, v. 8, pp. 336-347. *Leipsig*, 1902.)

Fellinger (Robert). Bestimmung der Dielektricitätsconstanten von Krystallen im homogenen

elektrischen Felde. (Annalen d. Physik. ser. 4, v 7, pp. 333-357. *Leipsig*, 1902.)

Hormell (Will. G.) Dielectric constant of paraffins. (Lond., Edinb. and Dub. Philosoph. Maga. and Jour. of Sci. ser. 6, v. 3, pp. 52-67. London, 1902.)

Palmer (A. de Forest). On the dielectric constant of dilute electrolytic solutions. (Phys. Rev. v. 14, pp. 38-56. *Lancaster*, Pa., 1902.)

**Shearer** (John Sanford). Some experiments on the behavior of dielectrics when subjected to high potentials. (Phys. Rev. v. 14, pp. 89–117. Lancaster, Pa., 1902.)

DYNAMOS, GENERATORS, AND MOTORS.

Electro-magnetism. History of Davenport's invention of the application of electro-magnetism to machinery, with remarks . . . from the American Journal of Science and Arts, by Silliman, also extracts from other public journals and information on electricity . . . etc., by Mrs. Somerville. 94 pp. New York: G. & C. Carvill & Co., 1837. 8°.

Liais (E.) Mémoire sur la Substitution des Électromoteurs aux Machines à Vapeur. Paris, 1852. 8°.

**Harser** (F.) Die Magnet-Electricität als Motorische Kraft. Zweite Auflage. *Weimar*, 1854.

Theorie des dynamo-elektrischen Prinzips sowie Erläuterungen für den Unterricht zu den dynamo-elektrischen Maschinen nach Siemens für Handbetrieb konstruiert. [Bonn, 188-?] 18 pp. 8°.

Schellen (T. J. H.) Die magnet- und dynamoelektrischen Maschinen. Ihre Construction und praktische Auwendung zur elektrischen Beleuchtung und Kraftübertragung. 2° und vermehte Auflage. Köhn, 1882. 8°.

Urquhart (J. W.) Electro-motors. Manchester, 1882. 12°.

**Du Moncel** (Théodore Achille Louis), and **Geraldy** (Frank). Electricity as a motive power: translated with additions, by C. J. Wharton. *London*, 1883. 12°.

Glaser-De Cew (G.) Die magnetelektrischen und dynamoelektrischen Maschinen und die sogenannten Secundär-Batterien... Wien: A. Hartleben, 1883, 2 ed. 12°. (Elektrotech. Bibl. (A. Hartleben's), Bd. 1.)

**Thompson** (S. P.) Dynamo-electric machinery . . . With an introduction by F. L. Pope. New York: D. Van Nostrand, 1883. iv, 5-218 pp., 2 pl., 1 diag. 24°. (Van Nostrand's science series. no. 66.)

Repr.: Journal of the Soc. of Arts.

**Prescott** (G. B.) Dynamo-electricity; its generation, application, transmission, storage and measurement. *New York*, 1884. 8°.

Schellen (Thomas J. H.) Magneto-electric and dynamo-electric machines . . . Translated from the 3d German ed. by Nathaniel S. Keith and Percy Nyman. With additions and notes relating to American machines by N. S. Keith. 353 illus. v. 1. New York, 1884. 8°.

Schwartze (T.) Die Motoren der elektrischen Maschinen mit Bezug auf Theorie, Construction und Betrieb. Wien, 1884. 12°. (Electro-tech. Bibl., Bd. 21.)

Dynamos, cont'd.

**Thompson** (S. P.) Recent progress in dynamoelectric machines, being a supplement to Dynamoelectric machinery. *New York: D. Van Nostrand*, 1884. pp. 113, 2 pl. 24°. (Van Nostrand's science series. no. 75.)

Repr.: Journal of the Soc. of Arts.

**Ven** (E. van der). Théorie de la machine dynamo-électrique et notice sur le couple de Lalande et Chaperon. *Haarlem: Hérit. Loosjes*, 1884. Ip. l.. 44 pp. 4°.

Wallentin (I. G.) Die Generatoren hochgespannter Elektricität . . . Wien, 1887. 12° (Elektro-tech. Bibl., Bd. 22.)

Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts. Competitive tests of dynamo-electric machines. Report of a special committee. . . . Philadelphia: The Franklin Institute, 1885. pp. 65, 2 p. l. 8°.

Auerbach (F.) Die Wirkungsgesetze der dynamo-elektrischen Maschinen. Wien, 1887. 12°. (Elektro-tech. Bibl., Bd. 138.)

**Thompson** (Silvanus P[hillips]). Dynamoelectric machinery: a manual for students of electrotechnics. *London: E. & F. N. Spon*, 1888. xii, 672 pp. 3 ed. 8°.

Fodor (E. de). Die elektrischen Motoren, mit besonderer Berücksichtigung der elektrischen Strassenbahnen. *Wien*, 1890. 12°. (Electro-technische Bib., Bd. 41.)

Walker (F.) Practical dynamo-building for amateurs. How to wind for any output . . . First American from second English edition . . . New York: D. Van Nostrand Co., 1890. pp. 104. 24°. (Van Nostrand's science series. no. 38.)

Urquhart (John W.) Dynamo construction: a practical handbook... [Il.] London, 1891. 12°.

**Badt** (F. B.) New dynamo tenders' handbook. 1st ed. [Il.] *Chicago*, 1892. 16°.

Bottone (S. R.) The dynamo, how made and how used. 8th ed. . . [Il.] London, 1892. 12°.

Crocker (F. B.), and Wheeler (S. S.) The practical management of dynamos and motors. [Il.] New York, London, 1892. 12°.

Martin (T. C.), and Wetzler (J.) The electric motor and its applications... with . . . the Electric motor since 1888, by L. Bell. 3. ed. New York, 1892. 4°.

**Thompson** (Sylvanus P.) Dynamo-electric machinery. . . . 4th ed. [Pl., il.] London, 1892. 8°. (Finsbury technical manuals.)

**Atkinson** (P.) Electric transformation of power and its application by the electric motor, including electric railway construction. *New York*, 1893. 12°.

Hopkinson (John). Original papers on dynamo machinery and allied subjects. [II.] New York, London, 1893. 12°.

**Kapp** (Gisbert). Dynamos, alternators and transformers. [Pl., il.] *London* [1893]. 12°.

Corsepius (Max.) Leitfaden zur Konstruktion von Dynamomaschinen und zur Berechnung von elektrischen Leitungen. 2te vermehrte Aufl. [Il., diagr., table.] Berlin, München, 1894. 8°.

**Minel** (P.) Régularisation des moteurs des machines électriques. *Paris* [1894?]. 12°. (Ency. Scient. d. aide-mém. Sect. de l'ingen.)

**Snell** (Albion T.) Electric motive power: the transmission and distribution of electric power by continuous and alternate currents. With a section on the application of electricity to mining work. vi, 403 pp., 2 l. *New York: D. Van Nostrand Co.*, 1894. 8°. (Electrician ser.)

Parkhurst (C. D.) Dynamo and motor building for amateurs, with working drawings. New York: The W. J. Johnson Co., 1896. vi, 7-163 pp., 4 pl. 12°.

**Thompson** (S. P.) Dynamo-electric machinery.... 5th ed. [Pl., il.] London, 1896. 8°. (Finsbury technical manuals.)

Jackson (D. C.), and Jackson (J. P.) A text-book on electro-magnetism and the construction of dynamos. New York: Macmillan & Co., 1896-97. 2 v. 12°.

v, 2 has title Alternating currents and alternating current machinery.

**Dumont** (Georges). Electromoteurs et leurs applications. 183 (1) pp. Paris: Masson et Cie. [1897], 12°. (Encyl. scient. des aide-mémoire. Sect. de l'ing.)

Gibbings (A. H.) Dynamo attendants and their dynamos. A practical book for practical men... 3. edition. 3 ll., 57 (1) pp. London: S. Rentell [1897]. 12°.

Hasluck (P. N.) Dynamos and electric motors; how to make and run them, with numerous engravings and diagrams; edited by Paul N. Hasluch. London: Cassell & Co., 1897. 159 pp. 12°.

**Kapp** (Gisbert). Dynamomaschinen für Gleich und Wechselstrom und Transformatoren. 2 verb. u. verm. Aufl. viii., 374 pp. Berlin: J. Springer, 1897. 8°.

Montpellier (J. A.) Les dynamos; principes — descriptions — installation — conduite — entretien — dérangements. 2 p.l., 448 pp. (Bibliothèque pratique de l'électricien.) Paris: P. Vicq-Dunod & Cie., 1897. 8°.

**Barber** (Clarence M.) The electric motor in shop and mine. (Jour. Assoc. of Engineering Soc. *Philadelphia*, 1898. 8°. v. 21, pp. 208-218.)

Biscan (W.) Die Dynamomaschine. Zum Selbststudium für Mechaniker, Installateure, Maschinen-schlosser, Monteure, etc., sowie als Anleitung zur Selbstanfertigung von Dynamomaschinen leicht fasslich dargestellt. Leipzig: O. Leiner, 1898. 4 p. l., 127 pp., 2 p. l. 6 ed. 8°.

Electrically-driven (An) engineering works. (Engineer. London, 1898. f°. v. 86, pp. 590-592.)

Gibbings (Alfred H.) The application of the electric motor to small industrial purposes and its effects on trade and on the community generally. (Electrical Engineer. *London*, 1898. 4°. (28) n. s., v. 22, pp. 360-363.)

**Guilbert** (C. F.) Machines dynamo-électriques. (L'éclairage électrique. *Paris*, 1898. 4°. v. 15, pp. 93-98; 447-452; v. 16, pp. 177-183; 231-236; 405-412; v. 17, pp. 45-53; 141-147.)

— Machines dynamo-électriques. Démarrage et régulation des moteurs. (L'éclairage électrique. Paris, 1898. 4°. v. 17, pp. 301-310.)

Dynamos, cont'd.

Houston (E. J.), and Kennelly (A. E.) Recent types of dynamo electric machinery... Being a valuable history of the extraordinary advance in the building of American dynamo machines and their application... New York: American Technical Book Co., 1898. pp. 9-612. 8°.

**Kapp** (Gisbert). Elektromechanische Konstruktionen. Eine Sammlung von Konstruktionsbeispielen und Berechungen von Maschinen und Apparaten für Starkstrom. Berlin: J. Springer, 1898. 4 p. l., 200 pp., 25 tables. f°.

Kinsley (Carl). Discussion of series dynamoelectric machines. 19 illus. (Acad. of sci. of St. Louis. Trans. v. 8, pp. 107-136. St. Louis, 1898.)

**Neuerungen** an Dynamomaschinen, Elektromotoren, Transformatoren und Zubehör. (Dinglers polytechnisches Jour. *Stuttgart*, 1898. f<sup>3</sup>. v. 308. pp. 249-254; 262-269.)

Roessler (G.) Stromvertheilung und Energieausnahme von Kurzschlussankern. (Elektrotechnische Zeitschr. Berlin, 1898. f°. Jahrg. 19, pp. 750-756; 766-769.)

Parshall (H. F.), and Hobart (H. M.) Electric generators. (Engineering. v. 65, pp. 1-3; 41-42; 65-66; 99-101; 132-133; 163-164; 227-228; 323-325; 388-392; 604-606; 654-658; v. 66, pp. 6-7; 38-39; 129-130; 210-212; 258-260; 349-352; 463-464; 591-592; 643-644; 803-805; v. 67, pp. 41-44; 100-101; 374; 475-477; 537-540; 670-671; 844; v. 68, pp. 102; 222-223 & 224-225. London, 1898-1899.)

**Siemens** (Alexander). Electric power in workshops. (Engineering. *London*, 1898. f°. v. 66, pp. 500-501.)

**Some** French electrical machinery. (Electrical World. *New York*, 1898. f°. v. 32, pp. 528–532.)

Arnold (E.) Constructionstafeln für den Dynamobau. Theil 1-2. Stuttgart: F. Enke, 1899. 2 v. ob. f°.

Th. r. Gleichstrom-Maschinen. 64 pl. 2d. ed. Th. 2 Wechselstrom-Maschinen. Wechselstrom-Motoren und Transformatoren. 48 pl.

**Bell** (Louis). Electric power in engineering works. (Engineering Maga. v. 18, pp. 64-82.) London, 1899.)

**Braun** (Rudolf). Ueber die Leerlaufreibung von Induktionsmotoren. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 685–687. *Berlin*, 1899.)

Clark (Eugene B.) Electric power in steel making. Its present status in the United States. (Cassier's Maga. v. 15, pp. 441-455. New York, 1899.)

**Dettmar** (G.) Die Trennung von Hysteresis-Foucault-strom- und Reibungsverlusten in elektrischen maschinen. (Elektrotechnische Zeitschr. v. 20, pp. 203-205; 218-220. *Berlin*, 1899.)

Emile (Fritz), and Olsen (Svend). Les conditions pour fixer les pas partiels d'un enroulement d'induit plusieurs fois fermé. (L'éclairage électr. v. 21, pp. 321-327; 369-375. Paris, 1899.)

**Friese** (Rob. M.) Anforderungen der Elektrotechnik an die Kraftmaschinen. (Zeitschr. d. Vereines deutscher Ingenieure. v. 43, pp. 1181–1187. *Berlin*, 1899.)

Glibbings (Alfred H.) The electric motor for small industrial purposes. (Cassier's Maga. New York, 1899. 8°. v. 15, pp. 237-240.)

Goffin (). Parallèle entre les dynamos à courant alternatif et celles à courant continu. (Bull. de la Soc. belge d'électr. v. 6, pp. 7-31. Bruxelles, 1899.)

Heubach (Julius). Zur Theorie der Asynchronmotoren. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 301-305; 314-317. Berlin, 1899.)

**Kapp** (Gisbert). Das Pendeln parallel geschalteter Maschinen. (Elektrotechnische Ztschr. Berlin, 1899. f°. Jahrg. 20, pp. 134-136.)

Lasche (O.) Elektrischer Antrieb mittels Zahnradübertragung. (Zeitschr. d. Vereines deutscher Ingenieure. v. 43, pp. 1417-1422; 1487-1493; 1528-1533; 1563-1569. Berlin, 1899.)

---- (Stahl und Eisen. Jahrg. 19, pp. 905-913. Düsseldorf, 1899.)

**Maccoun** (Andrew E.) The economy effected by the use of the electric motor around steel plants, furnaces and foundries. (Electr. World. v. 34, pp. 374-376. New York, 1899.)

Niethammer (F.) Ueber die Kraftlinienvertheilung in Nuthenankern. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 766-771. Berlin, 1899.)

Richard (G.) Applications mécaniques de l'électricité. (Éclair. électr. v. 16, pp. 497-504: v. 17, pp. 261-271; v. 18, pp. 281-290; v. 19, pp. 15-23; 481-489; v. 20, pp. 81-89; 241-253; v. 21, pp. 361-368. Paris, 1899.)

**Schuls** (E.) Praktische Dynamokonstruktion. Ein Leitfaden für Studirende der Elektrotechnik. Berlin: J. Springer, 1899. 4 p. l., 72 pp., 1 pl. 2 ed. 8°.

Die Dynamomaschine. (Schillings Jour. f. Gasbeleuchtung u. Wasserversorgung. Jahrg. 42, pp. 390-394; 544-548. *München*, 1899.)

**Tapley** (W. H.) The practical application of electric motors to printing press machinery. (Jour. Franklin Inst. v. 148, pp. 259-279. *Philadelphia*, 1899.)

Automatic (An) control for printing press motors. (Electr. World & Engineer. v. 36, pp. 260-263. New York, 1900.)

**Behrend** (B. A.) The induction motor. (Electrical World and Engineer. v. 36, pp. 676-678; 725-726; 767-769; 802-805; 843-845; 884-886; 920-922; 998-1001. *New York*, 1900.)

**Blane** (F.) Ueber die Leerlaufreibung bei Induktionsmotoren. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 131-133. *Berlin*, 1900.)

Breton (J. L.) La commande électrique des machines. (La rev. scientif. & indust. de l'année. années 1898-99. pp. 13-119. Paris, 1900.)

Cleveland Armature Works. Dynamo and motor troubles, their symptoms and how to rectify them. Cleveland, O.: Cleveland Armature Works, 1900. I p. l., pp. 32. nar. 24°.

Cutler-Hammer Manufacturing Co. Perpetual catalogue. Electric motor controlling devices . . . Rheostats. [Milwaukee: The comp., 1900.] ob. 24°.

Dynamos, cont'd.

**Dettmar** (G.) Neue Versuche über Lagerreibung nebst neuer Berechnungsmethode derselben. (Dinglers Polytech. Jour. Jahrg. 81, v. 315, pp. 88-95. Stuttgart, 1900.)

— Ueber die Nothwendigkeit der Aufstellung von Normen für die Bestimmung und Angabe von Leistung, Erwärmung und Wirkungsgrad elektrischer Maschinen. (Elektrotechnische Ztsch. Jahrg. 21, pp. 727-733. Berlin, 1900.)

— Die Vertheilung der Kraftlinien bei Nuthenankern von Gleich- und Wechselstrommaschinen. (Elektrotechnische Ztsch. Jahrg. 21, pp. 944-948. Berlin, 1900.)

**Eichberg** (Friedrich). Ueber die Zerlegung des oscillirenden Feldes des Einphasenmotors in Drehfelder. (Elektrotechnische Ztschr. Jahrg. 21, pp. 484-487. *Berlin*, 1900.)

Goldschmidt (Rudolf). Diagramme für Induktionsmotoren. (Elektrotechnische Ztschr. Jahrg. 21, pp. 693-697. *Berlin*, 1900.)

Grassi (Guido). Sul calcolo delle dimensioni dell'indotto nelle dinamo. (Soc. r. di Napoli. Accad. d. sci. fis. e mat. Rendic. ser. 3, v. 6, pp. 81-88. Napoli, 1900.)

Hanchett (G. T.) Modern electric railway motors: a discussion of current practice in electric railway motor construction, maintenance, and repair. New York: Street Railway Pub. Co. [1900]. vi, 200 pp., I table. 8°.

**Heubach** (Julius). Zur Theorie der Asynchronmotoren. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 73-78. *Berlin*, 1900.)

Heyland (Alexander). Eine Methode zu experimentellen Untersuchungen an Induktionsmotoren. (Sammlung elektrotechnischer Vorträge. v. 2, pp. 39-76. Stutigart, 1900.)

Hoyland (). Méthode d'essais des moteurs d'induction. (L'éclairage électrique. v. 24, pp. 17-26, 49-59. Paris, 1900.)

Hoxie (G. L.) Speed regulation of shunt motors by the multiple voltage system. (Sibley Jour. of Engineering. v. 15, pp. 110-114. *Ithaca*, 1900.)

**Konvalinka** (J. G.) J. G. Konvalinka's cosmic electro-motor. (In his Memoirs... n. p., cop. 1900. 8°. no. 6.)

**Neithammer** (F.), and **Veesenmeyer** (E.) Generatoren, Motoren und Steuerapparate für elektrisch betriebene Hebe- und und Transportmaschinen. Unter Mitwirkung von E. Veesenmeyer hrsg. von F. Niethammer. Berlin: J. Springer, 1900. ix, 428 pp., 5 pl. 4°.

Niethammer (F.) Die Wechsel- und Drehstromgeneratoren. (Sammlung elektrotechnischer Vorträge. v. 2, pp. 77-112. Stuttgart, 1900.)

Oelschläger (E.) Die Berechnung von Widerständen Motoren und dergleichen für aussetzende Betriebe. (Elektrotech. Ztschr. Jahrg. 21, pp. 1058–1063. *Berlin*, 1900.)

**Richter** (Karl). Beiträge zur Fehlerbestimmung in Dynamomaschinen. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 38-42. Berlin, 1900.)

Robert (Octave). Calcul des moteurs asynchrones. (Bull. tech. 1900, pp. 699-747. Paris, 1900.)

Steuerschalter (Die) für elektrische Motoren. (Zeitschr. d. Vereines deut. Ingenieure. v. 44, pp. 270-277. *Berlin*, 1900.)

**Thompson** (Sylvanus P.) Über magnetische Bilder und ihre Anwendung auf die Theorie der Motoren mit roherendem Feld. (Physikal. Ztsch. Jahrg. 2, pp. 68-78. *Leipzig*, 1900.)

Westphal (Ch.) Die Gesetze der Kraftlinienvertheilung über dem Umfang der Dynamomaschinen. (Elektrotech. Ztach. Jahrg. 21, pp. 747-749. Berlin, 1900.)

**Biliotti** (Adolfo). I motori elettrici e le loro applicazioni militari. (Rivista di artiglieria e genio. annata 18, v. 2, pp. 153-174. *Roma*, 1901.)

**Blondel** (A.) Compléments a la théorie graphique des moteurs synchrones. (L'éclairage électrique. v. 27, pp. 429-442. *Paris*, 1901.)

**Brown** (E.) The rise of temperature in the field coils of dynamos. (Jour. Inst. of Electr. Engineers. v. 30, pp. 1159-1199. London, 1901.)

Corsepius (M.) Beurtheilung der Eigenschaften von Dynamomaschinen auf Grund der Nuthenanordung. (Elektrotech. Ztsch. Jahrg. 22, pp. 988-991; 1003-1006; 1023-1026. Berlin, 1001.)

Franke (Rudolf). Sur le coefficient d'irrégularité des machines motrices. (L'éclairage électr. v. 29, pp. 243-252. *Paris*, 1901.)

Goldsborough (W. Elwell). Air-gap and core distribution. [With discussion.] (Transac. Amer. Inst. of Electr. Engineers. v. 15, pp. 515-530; v. 16, pp. 461-483; v. 17, pp. 679-725. New York, 1898-1901.)

**Grob** (Hugo). Eine neue Motorschaltung. (Electrotechnische Ztschr. Jahrg. 22, pp. 211-212. *Berlin*, 1901.)

Hanchett (George T.) The performance of electric railway motors. (Street Railway Jour. v. 18, pp. 807-811. New York, 1901.)

Herrick (Albert B.) A simple connection between turbines and generators. (Engineering and Mining Jour. v. 71, pp. 563-564. New York, 1901.)

**Heyland** (Alexander). An asynchronous induction motor or generator with a power factor of unity. (Electrician. v. 47, pp. 627-628. *London*, 1901.)

— Asynchroner Induktionsmotor bzw. Generator ohne Phasenverschiebung (cos φ=1) zwischen Strom und Spannung. (Electrotech. Ztsch, Jahrg. 22, pp. 633-634. *Berlin*, 1901.)

— Moteur ou géneratrice asynchrone sans déphasage. (L'éclairage électrique. v. 29. pp. 117-121. *Paris*, 1901.)

Hobart (H. M.) Modern commutating dynamo machinery, with special reference to the commutating limits. (Electr. Engineer. v. 34 (n. s., v. 28), pp. 451-455; 481-483; 519-521; 549-552-London, 1901.)

— Jour. Inst. of Elect. Engineers. v. 31, pp. 170-217. London, 1901.

Hoenig (Wilhelm). Über das Verhalten des Einphasen-Induktionsmotors mit Kurzschlussanker. (Mittheil, d. k. k. tech. Gewerbe-Museums in Wien. n. s. Jahrg. 10, pp. 277-281. Wien, 1901.)

Dynamos, confd.

Hollis (Walter M.) Care of dynamos and motors. (Science and Industry. v. 6, pp. 466-470. Scranton, Pa., 1901.)

Induction (The) motor for electric railways. (Electr. World and Engineer. v. 38, pp. 427-429; 464-467. *New York*, 1901.)

Jonas (J.) Ueber die Berechnung des Streuungsfaktors asynchroner Motoren. (Elektrotechnische Ztschr. Jahrg. 22, pp. 448-451. Berlin, 1901.)

**Knowlton** (Edgar). Magnetic attraction in dynamos due to the armature and field being non-concentric. (Electr. World and Engineer. v. 37, pp. 969-970. New York, 1901,)

Lyndon (Lamar). Faults in dynamos. (Marine Engineering. v. 6, pp. 306-308; 354-356. New York, 1901.)

**Mead** (Daniel W.) Some notes on electric light and power distribution. The electric generator. (Municipal Engineering. v. 21, pp. 57-60. *Indianapolis*, 1901.)

Morris (A. Saunders). Electric motors: a brief outline of their characteristics. (Stevens Inst. Indicator. v. 18, pp. 138-144. *Hoboken*, 1901.)

Muller (Maximilian). Die Berechnung der Motorleistung im Bahnbetrieb. (Elektrotechnische Ztschr. Jahrg. 22, pp. 921–924. *Berlin*, 1901.)

Niethammer (F.), and Schulz (E.) Elektromotoren und elektrische Arbeitsübertragung. Leipsig: S. Hirzel, 1901. 2 v. in l. 4° (Handbuch der Elektrotechnik. v. 9.)

Osnos (M.) Widerstand, Stromvertheilung und Energieaufnahme von Kurzschlussankern. (Elektrotechnische Ztschr. Jahrg. 22, pp. 172–175. Berlin, 1901.)

**Peukert** (W.) Messung der Arbeitsverluste in Dynamomaschinen. (Elektrotechnische Ztschr. Jahrg. 22, pp. 393-395. *Berlin*, 1901.)

**Poynder** (H. B.), and **Wimperis** (H. E.) The relation between voltage and speed in a shunt dynamo. (Engineering. v. 71, pp. 562-563. *London*, 1901.)

Report of committee on standardization of engines and dynamos. (Transac. Amer. Soc. of Mechanical Engineers. v. 22, pp. 520-530. New York, 1901.)

—— — (Street Railway Jour. v. 18, p. 859. New York, 1901.)

Rice (E. W.) The control of high potential systems of large power. (Electr. World & Engineer. v. 38, pp. 374-378. New York, 1901.)

—— (Electrical Review. v. 39, pp. 282-286. New York, 1901.)

Rotary (A) field electrostatic induction motor. (Electr. World & Engineer. v. 37, pp. 1012–1014. New York, 1901.)

**Rothert** (Alexander). Sollen Dynamos als Schwungräder dienen? (Ztsch. d. Vereines deut. Ingen. v. 45, pp. 1531-1535. *Berlin*, 1901.)

Rouby (.) Servo-moteur électrique de la compagnie du chemin de fer du nord pour la manceuvre des leviers Saxby. (Rev. gen. des chemins de fer et des tramways, année 24, sem. I, pp. 469-473. Paris, 1901.)

**Seibt** (Georg). Messung der Schlüpfung asynchroner Motoren. (Elektrotechnische Ztschr. Jahr. 22, p. 194. *Berlin*, 1901.)

Sheldon (S.), and Mason (H.) Dynamo electric machinery; its construction, design and operation... London: Crosby, Lockwood & Son, 1901. 3 pl., pp. 281. 2 ed. 8°.

Standardisation of engines and dynamos. (Iron age. v. 68, pp. 14-16. New York, 1901.)

Steinmets (Charles Proteus). Notes on singlephase induction motors and the self-starting condenser motor. [With discussion.] (Transac. Amer. Inst. of Electr. Engineers. v. 17, pp. 25-61. New York, 1901.)

**Trow** (Harris C.) The induction motor. (Engineering. v. 38, pp. 318-319. *Cleveland*, O., 1901.)

Verhoeks (P. M.) Sur la théorie graphique des moteurs synchrones. (L'éclair. électr. v. 28, pp. 399-401. Paris, 1901.)

Moteurs (Les) de tramways de la société "La française électrique." (La rev. tech. v. 22, pp. 409-411. Paris, 1901.)

Wilson (C. A. Carus). Some features of the electric induction motor. (Proc. Roy. Inst. of Gt. Br. v. 16, pp. 135-138. London, 1901.)

**Baum** (F. G.) Synchronous motor stability and overload capacity curves. (Electr. World and Engineer. v. 39, pp. 548-550. *New York*, 1902.)

**Bruger** (Th.) Ueber Motorzähler und elektromagnetische Bewegungsapparate. (Elektrotech. Ztsch. Jahrg. 23, pp. 581-584. *Berlin*, 1902.)

Current required by motors. [Table.] (Sci. and Industry. Supplement. Aug. 1902. v. 7. Scranton, Pa., 1902.)

**Hellmund** (R.) Behandlung von Kollektoren und Schliefringen. (Elektrotech. Ztsch. Jahrg. 23, pp. 824-827. *Berlin*, 1902.)

Heyland (Alexander). Asynchrone Generatoren für Ein und Mehrphasenstrom. (Elektrotechn Ztschr. Jahrg. 23, pp. 560-567. Berlin, 1902.)

**Krause** (Rudolf). Bestimmung der Stufen und der Stufung des Regulirwiderstandes von Nebenschlussgeneratoren mit Selbsterregung. (Elektrotechn. Ztschr. Jahrg. 23, pp. 363-384. *Berlin*, 1902.)

**Lindström** (Arvid). Berechnung der charakteristischen Kurven des Induktions-motors. (Elektrotechn. Ztschr. Jahrg. 23, pp. 521-522. *Berlin*, 1902.)

**M'Allister** (A. S.) The single-phase induction motor. (Amer. Electrician. v. 14, pp. 250-253. *New York*, 1902.)

**Maccoun** (Andrew Ellicott). The use of the electric motor in modern blast furnace plants. (Proc. Engineers Soc. of West. Penn. v. 18, pp. 161-166. *Pittsburg*, 1902.)

**Martin** (Henry). Production et distribution de l'énergie pour la traction électrique. Paris: C. Béranger, 1902. 2 p. l., 749 pp., 1 l. 8°.

Dynamos, cont'd.

Meyer (H. S.) Sur les moteur asynchrones: démarrage des moteurs à cage d'ècureuil. (L'écon. français. v. 31, pp. 423-428. *Paris*, 1902.)

Osnos (M.) Le moteur d'induction asynchrone sans déphasage. (L'éclair électr. v. 31, pp. 279-284. *Paris*, 1902.)

**Palmer** (H. M.) Mechanical speed-changing devices, driving machine tools from constant speed motors. (Proc. Engineers' Soc. of Western Pa. v. 18, pp. 183-185. *Pittsburg*, 1902)

**Payen** (Edouard). Les moteurs électriques dans les industries à domicile. (L'écon. français. année 30, v. 1, pp. 683-685. *Paris*, 1902.)

**Picou** (R. V.) Réaction d'induit et chute de tension dans les machines dynamo-électriques. (Bull. soc. internat. d. électriciens. sér. 2, v. 2, pp. 425-445. *Paris*, 1902.)

**Potter** (W. B.) The selection of electric motors for railway service. (Transac. Amer. Inst. of Electr. Engineers. v. 19, pp. 157-165. *New York*, 1902.)

Schwarts (Alfred). Ein neues Verfahren zum Anlassen von Induktionsmotoren. (Elektrotechn. Ztschr. Jahrg. 23, pp. 795-798. Berlin, 1902.)

Wales (S. S.) The electric motor in mill work. (Proc. Engineers Soc. of West. Penn. v. 18, pp. 142-153. Pittsburg, 1902.)

#### Armature.

Weymouth (F. M.) Drum armatures and commutators (theory and practice). A complete treatise on the theory and construction of drum winding, ... and an exposition of armature reactions and sparking. London: "The El ctrician" Printing & Pub. Co., 1894. xiii., 294 pp. 8°. (Electrician (The) ser.)

Parshall (H. F.), and Hobart (H. M.) Armature windings of electric machines. New York: D. Van Nostrand Co., 1895. xv, 278 pp., 42 l. 4°.

Balancing the distribution of current in parallel-wound armatures. (Electrical World. New York, 1898. f°. v. 32, p. 440.)

Hanchett (George T.) Practical balancing of armatures. (Electrical Engineer. New York, 1898. 4°. v. 26, pp. 633-634.)

—— On the dimensioning of armatures. (Electrical World and Electrical Engineer. New York, 1899. 4°. v. 33, pp. 306-307.)

Spence (Harry), and Smith (Harrison). Heating of armatures. (Wisconsin Engineer. Madison, Wis., 1899. 8°. v. 3, pp. 111-119.)

Guilbert (C. F.) The apparent increase in the air-gap of dynamos and motors due to toothed armatures. (Electrical Rev. v. 37, pp. 362-363. New York, 1900.)

**Hird** (W. B.) The reluctance of the teeth in a slotted armature. (Jour. Inst. of Electr. Engineers. v. 29, pp. 933-943. *London*, 1900.)

**Davies** (F. W.) Formers and former-winding. (Electr. Engineer. v. 35 (n. s., v. 29), pp. 656-658; 693-695; 733; 775-777; 803-805; 836-837; 905-906. *London*, 1902.)

Hobart (H. M.) Armature interference and brush position. (Electr. Rev. v. 50, pp. 329-331; 450-451; 455-457. *London*, 1902.)

**Poincaré** (H.) Sur les propriétés des anneaux à collecteurs. (L'éclair. électr. v. 30, pp. 77-81; 301-310. *Paris*, 1902.)

Robertson (David). A general formula for regular armature windings. (Jour. Inst. of Electr. Engineers. v. 31, pp. 933-948. *London*, 1902.)

— A method of studying armature windings by means of winding diagrams. (Jour. Inst. of Electr. Engineers. v. 31, pp. 949-970. *London*, 1902.)

# Brush holders.

Some modern brush holders. (Electrical World. New York, 1898. f°. v. 32, pp. 87-91.)

#### Brushes.

Electrical (The) and mechanical resistance of dynamo brushes. (Electr. World and Engineer. v. 34, pp. 417-419. New York, 1899.)

#### Commutators.

**Ritter** (R. B.) Les commutatrices. L'éclairage électrique. *Paris*, 1899. 4°. Année 6, v. 18, pp. 20-30; 48-49.)

**Barbillon** (L.) Appareil commutateur Dardeau. Application à la téléphonie. (L'éclairage électr. v. 23, pp. 277-285. *Paris*, 1900.)

**Kubierschky** (M.) Zugsteuerungen. (Elektrotech. Ztsch. Jahrg. 22, pp. 558-563. Berlin, 1001.)

Leblanc (Maurice). Sur la stabilité de la marche des commutatrices. (L'éclair. électr. v. 29, pp. 229-238. *Paris*, 1901.)

**Marchena** ( de). Emploi des commutatrices pour la transformation des courants polyphasés en courants continus. (Bull. Soc. internat. d. électriciens. sér. 2, v. 1, pp. 205-244. *Paris*, 1901.)

Piechelmayer (Karl). Zur Theorie der Stromwendung. (Elektrotech. Ztschr. Jahrg. 22, p. 967. Berlin, 1901.)

**Reyval** (J.) L'exposition universelle. Commutatrices de 300 kilowatts, de la compagnie française Thomson-Houston. (L'éclairage électrique. v. 27, pp. 5-13. *Paris*, 1901.)

Hobart (H. M.) The limits of commutation. (Engineering. v. 73, pp. 197-199; 231-232; 261-264. London, 1902.)

## Design.

Hering (C.) Principles of dynamo-electric machines and practical directions for designing and constructing dynamos. With an appendix containing... a table of equivalents of units of measurement. New York: W. J. Johnston, Co., 1890. viii, 279 pp. 12°.

Wilkes (Gilbert). Some practical hints in dynamo design. (In: University of Wisconsin. Bulletin. Engineering series. *Madison*, 1896. 8°. v. 1, pp. 25-40.)

Wiener (A. E.) Practical calculation of dynamo-electric machines; a manual for electrical and mechanical engineers and a text-book for students of electro-technics. New York: W. J. Johnson Co., 1898. xxxiv, 683 pp. 8°.

Dynamo Design, cont'd.

Best (The) practical method of calculating the resistance and size of coils required for a motorstarting switch, giving due attention to accuracy and economy. (Electr. Engineer. v. 29 (n. s., v. 23), pp. 636-638. London, 1899.)

Behrend (B. A.) The factors which determine the design of monophase and polyphase generators. (Electrical Engineer. v. 32 (n. s., v. 26), pp. 597-599; 670-671; 704-706; 727-729. London, 1900.)

- (Electrical World and Engineer, v. 35, pp. 90-92, 125-127, 166-168. New York, 1900.)

Ferrand (A.) Les dynamos et les transformateurs à l'Exposition universelle de 1900. [Text and atlas.] Paris: E. Bernard & Cie, 1902. v. 2.

Guilbert (C. F.) The generators of electricity at the Paris exhibition of 1900. Paris: C. Naud, 1902. I p. l., iv, 766 pp., 65 plans, 50 pl., 20

Text in French.

Heath (H. E.) Notes on commutatorless dynamo design. (Electr. World and Engineer. v. 35, pp. 210-211. New York, 1900.)

Philosophy (The) of dynamo design. (Electrical Engineer. v. 32 (n. s, v. 26), pp. 555-557; 582-585; 654-657; 734-736; 762-764; 836-839; 870-872; v. 33 (n. s., v. 27), pp. 12-14; 43-45. London, 1900.)

**Reist** (H. G.) Some of the requisites of modern lighting generator sets. (Electrical World and Engineer. v. 36, pp. 916-917. New York, 1900.)

**Design** (The) of a 5-kw. dynamo. (Elect. Engineer. v. 34 (n. s., v. 28), pp. 600-607. London,

## Testing.

Parbam (Eugene C.), and Shedd (John C.) Shop and road testing of dynamos and motors: a practical manual. New York: The W. J. Johnston Co., 1898. xii., pp. 526. 12°.

Baird (G. W.) Test of an electric generating set in the State War and Navy Building, Washington. (Engineering Rec. v. 41, pp. 156-157. New York, 1900.)

Efficiency (The) curve of a shunt motor and its relation to operating characteristics and the cost of operation. (Electr. World and Engineer. v. 38, pp. 17-19. New York, 1901.)

Smith (Wm. Lincoln). The stray power method of testing direct-current motors and generators. (Electr. World and Engineer. v. 38, pp. 981-982. New York, 1901.)

Arnold (B. J.), and Potter (W. B.) Comparative acceleration tests with steam locomotive and electric motor cars. (Street Railway Jour. v. 20, pp. 46-50. New York, 1902.)

Dynamo-testing at the English Electric Manufacturing Company's Works, Preston. (Engineering. v. 73, pp. 121-123. London, 1902.)

Field (Michael B.) Notes on the testing of tramway motors, and an investigation into their characteristic properties. (Electr. Engineer. v. 36 (n. s., v. 30), pp. 222-226; 301-305; 333-336. London, 1902.)

- (Journal of the Institute of Electrical Engineers. v. 31, pp. 1283-1315. London, 1902.)

Heyland (Alexander). Tests of a compensated asynchronous motor. (Electrician. v. 48, pp. 530-532. London, 1902.)

Klönne (Friedrich). Ueber ein neues Verfahren zur Messung des Ungleichförmigkeitsgrades und der Winkelabweichung. (Elektrotech. Ztsch. Jahrg. 23, pp. 715-720. Berlin, 1902.)

McAllister (A. S.) Complete commercial test of polyphase induction motors using one wattmeter and one voltmeter. (Electr. World and Engineer. v. 39, pp. 78-80. New York, 1902.)

Rayner (Edwin Hartree). The testing of combined steam-engine and dynamo sets. (Minutes of proc. of the Inst. of Civil Engrs. vol. 148, pp. 349-369. London, 1902.)

Sumpner (W. E.) The testing of motor losses. (Jour. Inst. of Electr. Engineers. v. 31, pp. 632-641. London, 1902.)

Tests of the Bolton 1.00-Kw. dynamos. (Electrical Engineer. v. 35 (n. s., v. 29), pp. 114-117. London, 1902.)

# Alternating Current Dynamos.

Houston (Edwin J.), and Kennelly (A. E.) Alternating current machinery. (Electr. World. v. 29, pp. 20-21; 94-96; 166-167; 234-236; 285-287; 354-355; 473-474; 526-528; 620-622; 686-687; 806-807; v, 30, pp. 8-10; 63-65; 194-195; 244-246; 300-302; 358-360; 452-454; 532-534; 581-583; 638-639; 727-728; v. 31, pp. 124-125; 192-193; v. 32, pp. 533-534; 627-628; 684-686; v. 33, pp. 175-177. New York, 1897-99.)

Atkinson (Llewelyn Birchall). The theory, design and working of alternate-current motors, by L. B. Atkinson; and, Dublin electric tramway, by H. F. Parshall . . . London : The Inst., 1898.

130 pp., I pl. 8°.

Repr.: Min. of proc. of Inst. of Civ. Eng. vol. 133, sess. 1897-88. Pt. 2.

**Déri** (Max). Wechselstrommotoren mit grosser Anlaufskraft. (Elektrotechnische Zeitschr. Berlin, 1898. f°. Jahrg. 19, pp. 626-629.)

Hoenig (Wilhelm). Über die Trennung der Hysteresisverluste von den Wirbelstromarbeiten in einfachen Wechselstromagnetkreisen. (Mittheil d. Kaiserl. Königl. technologisch. Gewerbe-Museums in Wien. Wien, 1898. 8°. n. s., v. 8, pp. 238-244.)

Moulun (G.) Théorie des moteurs à courants alternatifs avec collecteur. (Éclairage électrique. Paris, 1898. 4°. v. 17, pp. 465-473.)

Adams (Alton D.) Direct-alternating generators. (Electr. World & Engineer. v. 34, pp. 383-384. New York, 1899.)

Guilbert (C. F.) Machines dynamos électriques. Alternomoteurs. (Éclair. électr. v. 19, pp. 161-169; 208-213; v. 21, pp. 207-215; 401-412.) Paris, 1899.)

Layman (W. A.) Alternating-current power motors. (Jour. Assoc. of Engineering Soc. v. 23, pp. 195-216. Philadelphia, 1899.)

Rothert (Alexander). Untersuchungen uber die Kurzschlusskurve von Wechselstrom-generatoren. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 619-622; 637-638; 657-659. Berlin, 1899.)

Buchi (J.) Construction de moteurs à courants alternatifs répondant à une condition donnée. (L'éclairage electr. v. 25, pp. 151-155. Paris, 1900.) Alternators, cont'd.

Eborall (A. C.) Alternating-current induction motors. (Jour. Inst. of Electr. Engineers. v. 29, pp. 799-836. *London*, 1900.)

Goldsborough (W. Elwell.) The theory of alternating dynamo-electric mechanisms. (Electr. Rev. v. 37, pp. 451-452; 479-480; 508-510; 539-540; 568-569; 596-597; 649; 656-658; 684-685; v. 38, pp. 4-6; 95; 123; 155-156; 183-184; 215-216; 244-245; 272-274; 300-301; 331-332; 359-360; 389-390; 415-416; 445-446; 511-512; 541-542; 572-574; 645-647; 684-685; 717-718; 748-749; 779-780; 813-814; v. 39, pp. 3-4; 35-36; 63-64; 91-92; 119-120; 149; 180-181; 207; 239; 271; 301-302; 371; 442-443; 470-471; 534-535; 659; 751; 780; v. 40, pp. 79; 107; 135; 163; 212-213; 259; 317; 377-378; 616-617; 656; v. 41, pp. 3-4; 35-36; 73-74; 103-104. New York, 1900-02.)

Guilbert (C. F.) Les alternateurs à l'exposition de 1900. (L'éclairage électr. v. 29, pp. 276-283; 356-362. *Paris*, 1901.)

— Représentation des fonctions périodiques complexes à l'aide des imaginaires. (L'éclair. électr. v. 22, pp. 405-414. *Paris*, 1900.)

**Niethammer** (F.) Ein- und Mehrphasen-Wechselstrom-Erzeuger. *Leipzig: S. Hirzel*, 1900. xvi, 328 pp., 10 pl. 4°. (Handbuch der Elektrotechnik. Bd. 4.)

Parshall (H. F.), and Hobart (H. M.) Design of alternators. (Engineering. v. 70, pp. 107-108; 141-149; 227-230; 464-465; 485-486; 591-596; 819-823. London, 1900.)

Reist (H. G.) Alternating-current generators. (Electr. Rev. v. 36, pp. 529-532. New York, 1900.)

Robert (Octave). Calcul de la force électromotrice des alternateurs. (Bull. tech. Soc. d. anciens éléves. 1900, v. 1, pp. 70-83. *Paris*, 1900.)

Westphal (Ch.) Die Gesetze der Kraftlinienvertheilung über den Umfang der Wechselstrommaschinen. (Elektrotech. Ztschr. Jahrg. 21, pp. 878–881. Borlin, 1900.)

**Barbillion** (L.) Diagrammes du fonctionnement d'un alternateur branché sur un réseau. (L'éclair. électr. v. 27, pp. 408-413. *Paris*, 1901.)

**Blondel** (A.) Moteurs synchrones à courants alternatifs. *Paris: Gauthier-Villars* [1901]. 240 pp., 1 l. 12°. (Encyclopédie scientifique des aidemémoire. [Section de l'ingénieur.])

Fischer-Hinnen (J.) Alternators with dampers. (Electr. World and Engineer. v. 38, pp. 1058-1062. *New York*, 1901.)

— Berechnung der Spannungsabfalles von Wechselstromgeneratoren. (Elektrotechn. Ztschr. Jahrg. 22, pp. 1061–1065. *Berlin*, 1901.)

— Moteur à courant alternatif simple sans balais et démarrant seul. (L'éclairage électr. v. 29, pp. 5-7. *Paris*, 1901.)

Gaylord (T. P.) Alternating-current power work. Cassier's Maga. v. 20, pp. 327-330. New York, 1901.)

Guilbert (C. F.) European types of hightension alternators. (Electrical World and Engineer. v. 37, pp. 113-114. New York, 1901.) Heitmann (Edward). The inductor alternator. (Electr. World and Engineer. v. 38, pp. 548-549; 594-595; 636-638. New York, 1901.)

Horschits (Felix). Zur Theorie des kurzgeschlossenen Wechselstrom-Generators. (Elektrotech. Ztsch. Jahrg. 22, pp. 537-539. *Berlin*, 1901.)

Lasche (O.) The construction and systematic manufacture of alternators. (Engineering. v. 72, pp. 173-174; 205-207; 240-242; 277-280. London, 1901.)

N. (). La construction et l'établissement des alternateurs. (Rev. tech. v. 22, pp. 433-437; 471-475; 481-484; 506-509. *Paris*, 1901.)

Norris (H. H.), and Newbury (F. D.) Alternator excitation. I pl. (Sibley Jour. of Mechan. Engineering. v. 15, pp. 253-267. Ithaca, 1901.)

Rateau ( ). Sur le calcul et sur la mesure de l'angle θ. (Bull. Soc. internat. d. électriciens. sér. 2, v. 1, pp. 584-590. Paris, 1901.)

Reyval (J.) Alternateur de 270 kilovolts-am pères de l'Allmanna Svenska Elektriska Aktiebola get de Vesteras (Suéde). (L'éclair. électr. v. 26, pp. 389-392. *Paris*, 1901.)

Rothert (Alexandre). Grands alternateurs. (L'éclair. électr. v. 29, pp. 307-328. Paris, 1901.)

**Baum** (F. G.) Synchronous motor calculations. (Electr. World and Engineer. v. 39, pp. 861-864. *New York*, 1902.)

Behrend (B. A.) Alternating current engineering. (Cassier's Maga. v. 22, pp. 61-78. New York, 1902.)

**Bodensteiner** (F.) Ueber Verluste an einen grossen Asynchromotor. (Elektrotech. Ztsch. Jahrg. 23, pp. 745-746. *Berlin*, 1902.)

**Emde** (Fritz). Die Arbeitsweise der Wechselstrommaschinen... *Berlin: J. Springer*, 1902. viii, 95 pp. 8°.

Fleischmann (L.), and Orgler (A.) Ueber die Vorgänge in Wechselstromdurchflossenen Gleichstromankern. (Elektrotechn. Ztschr. Jahrg. 23, pp. 258-260. Berlin, 1902.)

Grassi (Guido). Sulla variazione della tensione secondaria nei trasformatori a corrente alternata. (Soc. r. di Napoli. Accad. d. sci. fis. e mat. Rendic. ser. 3, v. 8, pp. 53-64. Napoli, 1902.)

Guilbert (C. F.) Sur l'élimination des harmoniques dans les alternateurs. (L'éclairage électrique. v. 31, pp. 377-380. Paris, 1902.)

Herdt (Louis A.) The determination of alternator characteristics. (Transac. Amer. Inst. of Electr. Engineers. v. 19, pp. 723-751. New York, 1902.)

**Heyland** (A.) Alternateurs autoexcitateurs types d'induction [Discussion]. (Bull. de la soc. internat. des électriciens. sér. 2, v. 2, pp. 541-591. *Paris*, 1902.)

— L'moteur d'induction asynchrone sans déphasage. (L'éclair. électr. v. 30, pp. 419-423. Paris, 1902.)

Klönne (Friedrich). Ungleichförmigkeitsgrad und Winkelabweichung bei Kurbelkraftmaschinen. (Elektrotechn. Ztschr. Jahrg. 23, pp. 287-292. Berlin, 1902.)

Alternators, cont'd.

Lasche (O.) Construction rationnelle des alternateurs. (L'éclair. électr. v. 30, pp. 430-441; 461-473. *Paris*, 1902.)

Latour (Marius). Alternateurs à collecteur. (Bull. Soc. internat. d. électr. sér. 2, v. 2, pp. 383-401. *Paris*, 1902.)

— Alternateurs à collecteur. (L'éclairage électrique. v. 31, pp. 50-59. Paris 1902.)

Mailloux (C. O.) An experiment with singlephase alternators on polyphase circuits. (Transac. Amer. Inst. of Electr. Engineers. v. 19, pp. 611-621. New York, 1902.)

Queisser (Ottomar). Eine neue Methode zur Bestimmung der Phasenverschiebung an Wechselstrommaschinen mit rotirendem Polrad. (Elektrotechn. Ztschr. Jahrg. 23, pp. 102-103. Berlin, 1902.)

**Sheldon** (Samuel), and **Mason** (H.) Alternating-current machines: being the second volume of Dynamo electric machinery; its construction, design and operation. New York: D. Van Nostrand Co., 1902. iv, I l., 259 pp. 12°.

Westphal (Ch.) Sur la détermination de la chute de tension dans les alternateurs. L'éclair. elect. v. 32, pp. 161-172. Paris, 1902.)

## - Testing.

Parshall (Horace Field). Alternating-current dynamo tests. London: The Inst., 1897. 18 pp., 1 l., 1 pl. 8°.

Repr.: Min. of Proc. of Inst. of Civ. Eng. v. 130 sess. 1896-97, Pt. 4.

Ewing (J. A.) Tests on a 500 Kw. Parsons turbo-alternator. (Electrician. v. 47, pp. 254-256. London, 1901.)

**Denham** (John). Some notes on alternator design. (Electrician. v. 49, pp. 903-907. *London*, 1902.)

# - Parallel and Compound.

**Burch** (Edward P.) The paralleling of alternators. (Electrical World. *New York*, 1898. 4°. v. 32, pp. 370.)

**Barbillion** (Louis). Quelques considérations sur la synchronisation des alternateurs d'après MM. Gardner et Hogrwave Graham et quelques auteurs. (Bull. tech. (Inst. du génie civil) année 1, pp. 303-311. *Paris*, 1899.)

**Benischke** (Gustav). Ueber den Parallelbetrieb mit Wechselstrommaschinen. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 870-873. Berlin, 1899.)

**Boucherot** (Paul). Mouvements pendulaires des alternateurs associés en parallèle. (Éclairage électr. v. 21, pp. 121-127. *Paris*, 1899.)

Guilbert (C. F.) Sur les diagrammes de coupage de deux alternateurs en parallèle. (L'éclairage électr. v. 20, 321-328. *Paris*, 1899.)

**Leblanc** (Maurice). De l'accouplement des alternateurs en parallèle ou en série. (L'éclairage électr. v. 21, pp. 328-332. *Paris*, 1899.)

Wilson (Leonard). The effect of governors on the parallel running of alternators. (Jour. Institut. of Electr. Engineers. v. 28, pp. 389-398. London, 1899.)

Chevrier (G.) Sur la conduite des alternateurs couplés en parallèle aux bornes d'un réseau à potentiel constant. (L'éclairage électr. v. 22, pp. 401-405. *Paris*, 1900.)

Emmet (W. L. R.) Parallel operation of direct-coupled alternators. (Electr. World and Engineer. v. 35, pp. 95–96. New York, 1900.)

Goerges (Hans). Ueber das Verhalten parallel geschalteter Wechselstrommaschinen. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 188–193. Berlin. 1000.)

Berg (Ernst J.) Compounding of alternators by compensating exciter. (Electr. World and Engineer. v. 37, pp. 676-678. New York, 1901.)

Hanappe (Saturnin). Application élèmentaire de la méthode graphique à l'étude du couplage de deux alternateurs. (Rev. univ. d. mines, de la métallurgie, etc. sér. 3, v. 54, pp. 145-150. Liege, 1001.)

**Heyland** (Alexandre). Compoundirung von Wechselstrom-generatoren. (Elektrotechn. Ztschr. Jahrg. 22, pp. 1021–1023. *Berlin*, 1901.)

Leblane (Maurice). Étude du mouvement des machines à vapeur et accouplement des alternateurs en parallèle. (Bull. Soc. internat. d'électriciens. sér. 2, vi, pp. 497-502. *Paris*, 1901.)

Notice sur l'alternateur compound système Hutin & Leblanc. (La rev. tech. v. 22, pp. 457-462. Paris, 1901.)

Soubrier (Maurice). Sur les temps périodique d'oscillation naturelle d'un alternateur couple. (L'éclair. élect. v. 29, pp. 177-178. Paris, 1901.)

Trinks (W.) The parallel operation of alternators from the engine-builder's point of view. (Proc. Engineers' Soc. of West. Penn. v. 17, pp. 163-191. *Pittsburgh*, 1901.)

**Baum** (Frank George). A method of compounding alternating current generators and motors, direct current generators and synchronous converters. (Transac. Amer. Inst. of Electr. Engineers. v. 19, pp. 511-523. *New York*, 1902.)

—— — (Electrical Review. v. 40, pp. 872-874. New York, 1902.)

**Boucherot** (). Quelques applications d'alternateurs compounds. (Bull. soc. internat. d. électriciens. sér. 2, v. 2, pp. 446-484. *Paris*, 1902.)

Brunswick (E. J.) Note sur les alternateurs compound système Boucherot. (Le génie civil. v. 41, pp. 157-160. *Paris*, 1902.)

Emmet (W. L. R.) Parallel operation of enginedriven alternators. (Transac. Amer. Inst. of Electr. Engineers. v. 19, pp. 329-335. New York, 1902.)

Guilbert (C. F.) Le compoundage électromécanique des groupes électrogènes par le régulateur J. L. Routin. (L'éclair électrique. v. 32, pp. 189-199; 234-241. *Paris*, 1902.)

Leake (H. C.) The phase displacement of alternators and parallel running. (Elect. Rev. v. 50, pp. 543-544; 631-632. London, 1902.)

Lincoln (Paul M.) Parallel operation of alternators. (Jour. Franklin Inst. v. 153, pp. 241-257. *Philadelphia*, 1902.)

Longwell (H. E.) The requirements for the paralleling of alternators as viewed by the engine builders. (Engineer. v. 39, pp. 391-394. Cleveland, O., 1902.)

Alternators, cont'd.

McCormick (B. T.) The operation of two or more dynamos together. (Electr. Rev. v. 40, pp. 429-430. New York, 1902.)

Rosenberg (E.) Ueber den Parallelbetrieb von Wechselstrommaschinen, insbesondere bei Antrieb durch Gasmotoren. (Elektrotech. Ztschr. Jahrg. 23, pp. 425-429; 450-454; 468-471. Berlin, 1902.)

Steinmetz (Charles P.) Speed regulation of prime movers and parallel operation of alternators. (Transac. Amer. Inst. of Electr. Engineers. v. 19, pp. 325-328. New York, 1902.)

**Tingley** (E. M.) Engine requirements for the parallel operation of alternators. (Electr. Rev. v. 51, pp. 539-540. *London*, 1902.)

—— (American Electrician. v. 14, pp. 325-326. New York, 1902.)

# Continuous Current Dynamos.

Arnold (E.) Ankerwicklungen und Ankerkonstruktionen der Gleichstrom-Dynamomaschinen. 2. Aufl. xiv, 312 pp., ill. Berlin . . . : J. Springer, 1806. 8°

Carus-Wilson (C. A.) Electro-dynamics, the direct-current motor. London: Longmans, Green & Co., 1898. vi, 1 l., 298 pp. 12°.

**Dick** (Emil). Ueber die Ursachen der Funkenbildung an Kollektor und Bürsten bei Gleichstromdynamos. (Elektrotechnische Zeitschr. *Berlin*, 1898. f°. Jahrg. 19, pp. 802-806.)

**Pischer-Kinnen** (J.) Ueber die Funkenbildung an Gleichstrom-maschinen. (Elektrotechnische Zeitschrift. *Berlin*, 1898. f°. v. 19, pp. 850–852; 867–872.)

Grassi (Guido). Studio sul calcolo delle dimensioni dell' indotto nelle dinamo a corrente continua. (Soc. r. di Napoli. Accad. d. sci. fis. e mat. Rendic. ser. 5, v. 4, pp. 154-171; 195-206; 354-361. Napoli, 1898.)

**Wahle** (R.) Die walker'schen Gleichströmmaschinen. (Elektrotechnische Zeitschrift. *Berlin*, 1898. f°. v. 19, pp. 872–874.)

Arnold (E.), and Mie (G.) Ueber den Kurzschluss der Spulen und die Kommutation des Stromes eines Gleichstromankers. (Elektrotechnische Zeitschrift. Berlin, 1899. f°. v. 20, pp. 97-101; 136-138; 150-152.)

**D.** (F.) La limite de la marche sans étincelles des dynamos à courant continu. (Rev. tech. annales d. trav. pub. & d. chemins de fer et de l'automobilisme. *Paris*, 1899. f°. v. 20, pp. 74-76.)

Fischer-Hinnen (J.) Continuous-current dynamos in theory and practice. With details of methods and formulæ used in construction . . . London: Briggs & Co., 1899. xiv., il., 417 pp., vi, I chart, 5 pl. 8°.

Guilbert (C. F.) Machines dynamo-électriques. Démarrage et régulation des moteurs à courant continu. (Éclairage électr. v. 15, pp. 93-98; v. 21, pp. 46-54. *Paris*, 1899.)

— Machines dynamo-électriques dynamos à courant continu. (Éclair. électr. v. 18, pp. 241-247; 298-304; 417-421; v. 20, pp. 370-376; 490-497; v. 21, pp. 332-339; v. 22, pp. 449-456. *Paris*, 1899-1900.)

Isler (Heinrich). Beurtheilung der Gleichstrommaschinen in Bezug auf die Funkenbildung. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 714-716; 732-734. *Borlin*, 1899.)

**Kapp** (Gisbert). The limits of sparking with continuous-current dynamos. (Electrical Engineer. *London*, 1899. f°. n. s., v. 23, pp. 198-200.)

Roessler (G.) Elektromotoren für Gleichstrom. Berlin: J. Springer, 1899. viii, 135, pp. 8°

**Sengel** (A.) Versuche an einer Gleichstrommaschine mit zwei unabhängigen Wickelungen. (Weston-Wickelung.) (Elektrotechnische Ztschr. Jahrg. 20. pp. 525-527. *Berlin*, 1899.)

Williamson (R. B.) Connections for continuous-current motors. (Science and Industry. v. 4, pp. 443-447. Scranton, Pa., 1899.)

Collischonn (F.) Gleichstrom- Schwungradmaschinen. (Zeitschr. d. Vereines deutsch. Ingenieure. v. 44, pp. 211-216. *Berlin*, 1900.)

Guilbert (C. F.) Machines dynamo-électriques. Moteurs à courant continu. (L'éclairage électr. v. 22, pp. 250-256. Paris, 1900.)

**Hawkins** (C. C.) The air-gap induction in continuous-current dynamos. (Jour. Inst. Electr. Engineers. v. 29, pp. 436-457. *London*, 1900.)

Kreamer (J.) Konstruktion und Berechnung für zwanzig verschiedene Typen von Dynamo-Gleichstrom-Maschinen. Für Maschinen-Ingenieure und Elektrotechniker. Mit 25 Tafeln . . als Zeichnungs-Vorlagen bei Konstruktions-Arbeiten, mit erläuterndem Text . . . Leipzig : O. Leiner, 1900. vi, I l., 101 pp., 25 pl. 2. ed. 4°.

Sever (George F.) Engineering tests on direct current electrical machinery, with preliminary tests on the properties of conductors. (School of Mines Quar. v. 21, pp. 113-136. *New York*, 1900.)

Severin (C.) Konstruktion für zwei verschiedene Typen Dynamo-Gleichstrom-Maschine... einer Wechselstrom-Machine... nebst Berechnung einer Nebenschluss-Gleichstrom-Maschine... mit kurzer Beschreibung einer elektrischen Licht Anlage. Magdeburg: A. & R. Faber, 1900. 2 p. l., 53 pp., 1 chart, 6 pl. 2. ed. 8°.

**Burstyn** (M.) Gesetzmässigkeiten bei Gleichstrom-Elektromotoren. (Mittheil. a. d. Gebiete d. Seewesens. v. 29, pp. 533-567. *Pola*, 1901.)

**Latour** (Marius). Sur les propriétés des anneaux à collecteur (L'éclair. électr. v. 29, pp. 294-300. *Paris*, 1901.)

Mavor (Henry A.) Design of continuous-current dynamos. (Jour. Inst. of Electr. Engineers. v. 31, pp. 218-229. *London*, 1901.)

Moritz (K.) Berechnung und Konstruktion von Gleichstrommaschinen... Leipzig: Hackmeister & Thal, 1901. viii, 111 pp., 1 diag., 3 plans. 8°.

Rothert (Alexander). Moderne Wickelungen für genuthete Gleichstromanker. (Elektrotechnische Ztschr. Jahrg. 22, pp. 316-318. Berlin, 1901.)

**Vogelsang** (Max). Ueber Bremselektromagnete für Gleichstrom. (Elektrotechnische Ztschr. Jahrg. 22, pp. 175–177. *Berlin*, 1901.)

Arnold (E.) Die Gleichstrommaschine . . . Bd. 1. Berlin: J. Springer, 1902. 1 v. 8°.

Continuous Current Dynamos, cont d.

— Theorie der Aequipotential-Verbindungen der Anker von Gleichstrommaschinen. (Elektrotechn. Ztschr. Jahrg. 23, pp. 215-220; 233-235. Berän, 1902.)

**Barnard** (A. S.) High-tension continuouscurrent systems. (Electr. Engineer. v. 36 (n. s., v. 30), pp. 14-17. *London*, 1902.)

**Eichberg** (Friedrich). Ueber kompensirte Gleichstrommaschinen System Déri. (Elektrotech. Ztsch. Jahrg. 23, pp. 817–824. *Berlin*, 1902.)

Hundt (Albert). Ueber Gleichstrommotoren mit veränderlicher Umdrehungzahl. (Elektrotechn. Ztschr. Jahrg. 23, pp. 235-239. Berlin, 1902.)

Rothert (Alexander). Wieviel Kollektorlamellen soll eine Gleichstrommaschine haben? (Elektrotechn. Ztschr. Jahrg. 23, pp. 309-314. Berlin, 1902.)

Rotth (A.) Physikalische Probleme der Gleichstrommaschine. (Archiv. d. Mathematik u. Physik. v. 3, pp. 34-53. *Leipzig*, 1902.)

Storer (Norman Wilson). Some characteristics of direct current motors. (Proc. Engineers Soc. of West. Penn. v. 18, pp. 153-160. Pittsburg, 1902.)

**Wettler** (A.) Messung des Ankerwiderstandes von Gleichstrommaschinen. (Elektrotechn. Ztschr. Jahrg. 23, pp. 8-10. *Berlin*, 1902.)

## Double-Current Dynamos.

Adams (Alton D.) Double voltage and current generators. (Electr. World & Engineer. v. 34, pp. 742-743. New York, 1899.)

Ruthven-Murray (E. T.) Double-current generators and their application. (Electrician, v. 49, pp. 421-423. London, 1902.)

## Polyphase Current Dyamnos,

Cahen (Herman). Ueber Drehstrommotoren mit einphasiger Ankerwickelung. (Elektrotechnische Zeitschr. *Berlin*, 1898. f°. Jahrg. 19, pp. 819–821.)

**Kanappe** (S.) Étude des moteurs à courants polyphasés. (L'Éclairage Électrique. *Paris*, 1898. 4°. v. 16, pp. 437-450; 17, pp. 89-97; 186-194; 272-283; 345-351; 399-403; 512-521; 551-555.)

Rothert (Alexander). Praktische Vorausbestimmung der Drehstrommotordiagramme. (Elektrotechnische Zeitschr. *Berlin*, 1898. f°. v. 19, pp. 730-732.)

Baxter (Wm.) The action of the polyphase induction motor graphically explained. (Electr. World & Engineer. v. 34, pp. 490-494. New York, 1899.)

Commande (La) directe des machines outils par des moteurs à courants polyphasés. (Rev. tech. v. 20, pp. 423-427; 433-438. *Paris*, 1899.)

Giles (Georges). Note sur le calcul des moteurs à courants polyphasés. (L'éclairage electr. v. 22, pp. 441-449. *Paris*, 1900.)

— Théorie complète des moteurs à courants polyphasés. (L'éclairage électrique. v. 24, pp. 281-293. *Paris*, 1900.)

Mershon (Ralph D.) The polyphase induction motor. (Electrical World & Engineer, v. 35, pp. 168-171; 214-217. New York, 1900.)

—— —— (Electrical Review. v. 36, pp. 156-158; 180-181. New York, 1900.)

Benischke (Gustav). Messung und Berechnung der Leerlaufverluste von Drehstrommotoren. (Elektrotechnische Ztschr. Jahrg. 22, pp. 698-700. Berlin, 1901.)

**Duyós** (Eduardo). Disposicion Fischer-Hinnen para el arranque de los motores asincrónicos polifásicos. (Mem. de ingen. del ejército. v. 18, pp. 53-56. *Madrid*, 1901.)

Eborall (A. C.) Some notes on polyphase substation machinery. 5 pl. (Jour. of the Inst. of Electr. Engineers. v. 30, pp. 702-753. London, 1901.)

Ephraim (W.) Neue Drehstromkontroller. (Elektrotechnische Ztschr. Jahrg. 22, pp. 465-466. Berlin, 1901.)

Goldschmidt (Rudolf). Ueber den Kurzschluss und Anlauf von Drehstrommotoren. (Elektrotechnische Ztschr. Jahrg. 20, pp. 335-339. Berlin, 1901.)

**Krants** (J. B.) Zur Kraftlinienvertheilung in Drehstrommotoren. (Elektrotechnische Ztschr. Jahrg. 22, pp. 274-275. *Berlin*, 1901.)

Lasche (O.) Der Aufbau und die planmässige Herstellung der Drehstrom-Dynamo-machine, (Ztsch. d. Vereines deut. Ingenieure. v. 45, pp. 973–981; 1017–1026. *Berlin*, 1901.)

Mershon (Ralph D.) The polyphase induction motor for general power service. (Electr. World and Engineer. v. 37, pp. 966-967. New York, 1901.)

**Pichelmayer** (Karl). Zur Berechnung mehrphasiger generatoren. (Elektrotechnische Ztschr. Jahrg. 22, pp. 908–909. *Berlin*, 1901.)

Rosenberg (E.) Ueber ein Phänomen bei Kurzschluss von Drehstrommaschinen. (Elektrotechnische Ztschr. Jahrg. 22, pp. 357-361; 377-379. Berlin, 1901.)

Siewert (Alexander). Ueber den Einfluss der Umfangsgeschwindigkeit auf die ausseren Dimensionen und das aktive Materialgewicht von Drehstromgeneratoren. (Elektrotechnische Ztschr. Jahrg. 22, pp. 462–465. Berlin, 1901.)

— Die Berechnung des Kurzschlusstromes von Drehstrommotoren. (Elektrotech. Ztsch. Jahrg. 22, pp. 615-620. *Bzrlin*, 1901.)

**Bragstad** (O. S.) Beitrag zur Theorie und Untersuchung von mehrphasigen Asynchronmotoren. (Samml. elektrotech. Vorträge. v. 3, pp. 271-374. Stuttgart, 1902.)

**Danielson** (Ernst). A novel combination of polyphase motors for traction purposes. (Trans. of the Amer. inst. of electr. engineers. v. 19, pp. 439-451. *New York*, 1902.)

**Eborall** (A. C.) Some notes on polyphase machinery. (Engineering. v. 73, pp. 759-764; 810-812; 857-860. *London*, 1902.)

**Heyland** (Alexander). Die ersten Versuchsresultate am kompensirten Asynchronmotor. (Elektrotechn. Ztschr. Jahrg. 23, pp. 28-30. *Berlin*, 1902.)

Polyphase Current Dynamos, cont'd.

Klein (Eugen). Ueber vereinfachte Drehstromkontroller. (Elektrotechn. Ztschr. Jahrg. 23, pp. 64-68. Berlin, 1902.)

Linsenmann (Hans). Die elastische Linie von Drehstrommaschinen mit grossen Durchmessern. (Elektrotechn. Ztschr. Jahrg. 23, pp. 81-84. Berlin, 1902.)

**M'Allister** (A. S.) Polyphase induction motors operating on single phase circuits. (Amer. electrician. v. 14, pp. 385-386. *New York*, 1902.)

Mollier (W.) Ueber den Einfluss geschlossener Nuthen im inducirenden Theile von Drehstrommotoren. (Elektrotech. Ztsch. Jahrg. 23, pp. 670-673. Berlin, 1902.)

Steinmets (Charles Proteus). Notes on the theory of the synchronous motor, with special reference to the phenomenon of surging. (Transac. Amer. Inst. of Electr. Engineers. v. 19, pp. 547–567. New York, 1902.)

# PRINCIPAL ACCESSIONS IN OCTOBER.

# TURKISH ANNALS.

The work of the contemporary official historiographer of each sultan.

Sa'd al-Din ibn Hasan Jan, called Khojah Efendi. A history of the Osmanli dynasty from its origin up to the death of Selim I. in 1520. Constantinople, 1862. 2 v. 4°.

Solak Zadah: history of the Turks from the appearance of Jenghiskhan up to the accession of Murad III. Constantinople, 1880. 6 p. l., 773 pp. 8°.

Pechevi Pasha (Ibrāhīm). A history of the Turkish Empire from the beginning of Sulyman's reign to the death of Murad IV, 1639. Constantinople, 1866. 2 v. 8°.

Majdi (Muhammad al-Dirneri). Lives of the learned and holy men of Turkey, translated with additions from the Arabic original by Ahmad ibn Muslih al-Din Mustafa Täshkupri Zādah. Constantinople, 1852. 5 p. l., 528 pp. 4°.

"Ata" (Atā Allāh ibn Yahyā Nau'ī Zādah). A continuation up to 1634 of Tāshkupri Zadah's al-Shakā'ik al-Nu'māniyyah, or Lives of the learned and holy men of Turkey. Constantinople, n. d. 4 p. l., 387 pp., 5 l., 391-771 pp. 4°.

Mutafa Efendi. History of the Salonican, i. e., Mustafa Efendi, containing annals of the Turkish Empire, 1563-1599. Constantinople, 1864. 14 p. l., 351 pp. 8°.

Naima. A history of the Turkish Empire, 1591-1659. Constantinople, 1863. 6 v. 8°.

Haji Khalifah (Mustafa ibn 'Abd Allah Chelebi). A history of the Turkish Empire, 1591–1655. Constantinople, 1869-70. 2 v. 8°.

Rashid Efendi (Muhammad). A history of the Turkish Empire, 1660-1721. Constantinople, 1856. 6 v. in 3. 8°.

**Subhi** (Muhammad). The annals of the Turkish Empire, 1730-1743: revised and completed from the official records and from the compilations of Sami Efendi and Shakir Beg Efendi. Constantinople, 1783. 2 v. in I. f°.

Wasif (Ahmad). A history of the Turkish Empire, 1752-1774. Constantinople, 1804? 2 v. in 1.

Jaudat Pasha (Ahmad). A history of the Turkish Empire, 1774-1825. Constantinople, 1855-84. 12 v. in 6. 4°.

# GENERAL WORKS.

Encyclopædia Britannica. v. 4-5. 10 ed. Edinburgh, 1902. 4°.

# GENERAL BIOGRAPHY, HERALDRY, ETC.

Commemorative biographical record of the counties of Rock, Green, Grant, Iowa and Lafayette, Wisconsin. *Chicago*, 1901. 4°.

Hamm (M. A.) Builders of the Republic. New York, 1902. 8°.

Renesse (T. de), comte. Dictionnaire des figures héraldiques. Tome 6. Bruxelles, 1902. 8°.

# BIOGRAPHY AND GENEALOGY.

Alphabetical, by subject.

**Ball** (T. H.) Francis Ball's descendants. Crown Pt., Ind., 1902. 12°.

Thwaites (R. G.) Daniel Boone. New York, 1902. 12°.

(Appleton's life histories.)

**Boss** (W. G.), and **Boss** (H. R.) An inquiry concerning the Boss family. Chicago, 1902. 8°.

**Newton** (J.) Captain John Brown of Harper's Ferry. New York, 1902. 12°.

Choussy (J. E.) Vie de Jeanne Darc. Moulins, 1902. 2. ed. 4°.

Hills (A. M.) Life of Charles G. Finney. Cincinnati, 1902. 12°.
Gift of Publishers' Weekly.

Woodberry (G. E.) Nathaniel Hawthorne. Boston, 1902. 16°.
(American men of letters.)

**Holder** (C. F.) The Holders of Holderness. San Francisco, 1902. 12°.

**K.** Kósciuszko, biografia z dokumentow wysnuta. *Cracow*, 1894. 8°.

Biography from original documents.

Nicolay (J. G.) A short life of Abraham Lincoln. New York, 1902. 8°.

Rogers (J. S.) James Rogers of New London. Boston, 1902. 8°.

McMaster (J. B.) Daniel Webster. New York, 1902. 8°.

Simpson (S.) Life of Ulrich Zwingli. New York, 1902. 12°.

GENERAL HISTORY, ARCHÆOLOGY AND GEOGRAPHY.

**Bonnard** (L.) Notions éléméntaires d'archéologie monumentale. *Paris*, 1902. 12°.

**Expedition** antarctic belge. Resultats du voyage du S. Y. Belgica en 1897-1898-1899. Rapports scientifiques. *Anvers*, 1901. 10 pts. f°.

Ollivier (E.) L'empire libéral; études, recits, souvenirs. v. 7. Paris, 1903. 12°.

Rand, McNally & Co.'s indexed atlas of the world. Chicago, 1902. 2 v. f°.

# AMERICA.

**Bolton** (C. K.) The private soldier under Washington. *New York*, 1902. 8°.

Bryan (W. J.) The Commoner condensed. New York, 1902. 8°. Gift of Publishers' Weekly. Campbell (Rev. H. A.), Sharpe (W. C.), and Bassett (F. G.) Seymour, past and present. Seymour, Conn., 1902. 8°.

Celebration of the one hundredth anniversary of the establishment of the seat of government in the District of Columbia. Compiled by Wm. V. Cox. Washington, 1901. 8°.

Colton (J. M.) Annals of old Manhattan, 1609–1664. New York, cop. 1901. 8°.

**Copeland** (A. M.) "Our county and its people." A history of Hampden County, Massachusetts. n. p., 1902. 3 v. 4°.

Eastlake (A.) The Oneida community. London, 1900. 12°.

Fishe (J.) New France and New England. Boston, 1902. 8°.

Fout (F. W.) Die schwersten Tage des Bürgerkrieges von 1864 und 1865. St. Louis, 1902. 8°.

Georgia, historical and industrial, 1900-1901. Atlanta, 1901. 8°.

Green (S. A.) Groton during the Revolution. Groton, 1900. 8°.

Innes (J. H.) New Amsterdam and its people. New York, 1902. 8°.

Jenkins (C. F.) The guide book to historic Germantown. Germantown, 1902. 16°.

Johnson (C.) New England and its neighbors. New York, 1902. 8°.

(American highways and by-ways.)

McCrady (E.) The history of South Carolina in the Revolution, 1780-1783. New York, 1902. 8°.

**Morey** (W. C.) The government of New York. New York, 1902. 12°.

Robins (E.) Romances of early America. Philadelphia, 1902. 8°.

Ross (P.) A history of Long Island. New York, 1902. 2 v. 4°.

Sawyer (T. T.) Old Charlestown. Boston, 1902. 8°.

Welch (J. H.), and Taylor (H. E.) Destruction of St. Pierre, Martinique. New York, 1902. 12°. Gift of Publishers' Weekly.

**Young** (J.) Public men and public life in Canada. *Toronto*, 1902. 12°.

## EUROPE.

Case (N.) European constitutional history. Cincinnati, 1902. 8°.

Comptes des bâtiments du roi sous le règne de Louis XIV. v. 5. Paris, 1901. 4°.

(Collection de documents inédits sur l'histoire de France.)

**Deschanel** (P.) Quatre ans de présidence, 1898–1902. *Paris*, 1902.

**Espinas** (G.) Les finances de la commune de Douai. *Paris*, 1902. 4°.

Festschrift zum fünfzigjährigen Regierungsjubiläum Seiner Königlichen Hoheit des Grossherzogs Friedrich von Baden. *Heidelberg*, 1902. 8°.

**Hampshire** parish registers. Marriages. v. 3. London, 1902. 8°.

(Phillimore's parish register series, v. 32.)

Handbook for travellers in Ireland. Edited by J. Cooke. London, 1902. 12°. (Murray's handbooks.)

Handbuch für Wohlthätigkeit in Hamburg. Hamburg, 1901. 8°.

Hartshorne (A. C.) Japan and her people. Philadelphia, 1902. 8°.

Istoriko-yuridicheskie materialy. [Historico Legal materials.] v. 1-29. Vitebsk, 1871-1901. 20 v. 4°.

Extracts from the documents of the central archives of the governments of Vitebak and Mohilev. Ed. by Sozonov and Dovgyallo,

**Krassewski** (J. I.) Litwa. Starozytne dzieje, ustawy, jezyk, wiara obyczaje, piesni, przystowia, podania. *Warszawa*, 1847. 2 v. 8°.

History, customs, religion, songs, etc., of the Lithuanian people.

McCarthy (J.) The reign of Queen Anne. New York, 1902. 2 v. 8°.

Marczali (H.) Enchiridion fontium historiæ Hungarorum. Budarestini, 1902. 8°.

Ogle (H. A.) Ogle and Bothal; or, a history of the baronies. Newcastle-upon-Tyne, 1902. 4°.

Pirenne (H.) Histoire de Belgique. v. 1. Bruxelles, 1902. 2. ed. 8°.

**Recollections** of Dublin Castle and Dublin society. By a native. New York, 1902. 12°.

**Riga.**—Gorodskaya Uprava, Otchot [Report] 1898-1900. 3 parts. Riga, 1899-1901. 8°.

—— Smyeta dokhodov i raskhodov g. Rigi [Budget of the City of Riga]. 2 parts. Riga, 1902. 8°.
—— Der Stadt Riga. Verwaltung und Haushalt in den Jahren 1878-1900. Riga, 1901. 8°.

Russie (La) à la fin du 19e siècle. Paris, 1900. Saint Elme (Ida). Memoirs of a contemporary, 1790-1815. New York, 1902.

Smith (Mrs. E. T. B.) The roll-call of West-minster Abbey. New York, 1902. 8°.

Waldstein (C.), and others. The Argive Heræum. v. I. Boston, 1902. f°. (Archæological Institute of America.)

Zobeltitz (F. von). Berlin und die Mark Brandenburg. Bielefeld, 1902. 4°.

(Land und Leute, v. 14.)

Zweck (A.) Masuren. Stuttgart, 1900. 8°. (Deutsches Land und Leben.)

# AFRICA.

Fitoussi (E.) L'État tunisien. Tunis, 1901. 4°. Jozon (L.) L'État indépendant du Congo. Paris, 1900. 8°.

**Sienkiewics** (H.) Briefe aus Afrika. *Oldenburg*, 1902. 8°.

## ASIA.

Allen (G. H.) Uncle George's letters to the Garcia Club. Clinton, N. Y., 1902. 12°.

Fraser (J. F.) The real Siberia. New York, 1902. 12°.

Friedrich (W.), and Leipziger (E. von). Sechs Monate Indien. Jagd- und Reisebilder. Leipzig, 1902. f°.
Gift of J. L. Cadwalader.

General view of commerce and industry in the empire of Japan. Paris, 1900. 8°.

Guide to the Great Siberian Railway. St. Petersburg, 1900. 8°.

Morse (E. S.) Glimpses of China and Chinese homes. *Boston*, 1902. 8°.

**Nichols** (F. H.) Through hidden Shensi. *New York*, 1902. 8°.

Potter (H. C.) The East of to-day and to-morrow. New York, 1902. 12°.

## JEWS.

**Durien** (L.) Les Juis algériens (1870-1901). *Paris*, 1902. 8°.

(Études de démographie algérienne.)

**Kuttner** (B.) Jüdische Sagen and Legenden. Bd. I. Frankfurt a. M., 1902. 8°. Gift of Jacob H. Schiff.

**Neumann** (W.) Entwickelung der jüdischen Wohlthätigkeits-Einrichtungen. *Berlin*, 1901. 8°. Gift of Jacob H. Schiff.

## Music.

Gabriel (C. H.) Joyful praise. Cincinnati, 1902. 8°.

Gift of Publishers' Weekly.

Gill (J.), Kirkpatrick (W. J.), and Gilmour (H. L.) Hymns of grace and glory. Cleveland, cop. 1901. 8°.

Gift of Publishers' Weekly.

Gospel (The) chorus, for use in prayer meetings. Ed. by J. M. Black. *New York*, 1902. 8°. Gift of Publishers' Weekly.

Lahee (H. C.) The organ and its masters. Boston, 1903. 8°.

SPORT.

**Bohemia.**—Statutes. Die Jagdgesetze für das Königreich Böhmen und die Markgrafschaft Mähren. Prag, 1900. 7. ed. 12°.

Chasse (La) moderne: encyclopédie du chasseur. Paris, 1902. 8°.

Gift of J. L. Cadwalader.

Pollok (F. T.), and Thom (W. S.) Wild sports of Burma and Assam. London, 1900. 8°. Gift of J. L. Cadwalader.

American and English Literature.

Adams (F. P.) In Cupid's court. Evanston, 1902. 16°.

Gift of Publishers' Weekly.

Austrian (D.) Love songs. Chicago, 1902.

12°.
Gift of Publishers' Weekly.

B. (F. D.) His story, their letters. Chicago, 1902. 12°.

Gift of Publishers' Weekly.

**Baldwin** (M.) Nancy's Easter gift. *New York*, 1902. 12°. Gift of Publishers' Weekly.

Binyon (L.) Odes. London, 1902. 8°.

**Bormann** (E.) Der Shakespeare-Dichter. Wer war's? *Leipzig*, 1902. 8°.

Brown (C. H.) Moses: a drama. Boston, 1902.

Chesterton (G.) Greybeards at play. London, 1900. 12°.

Clark (A.) When bards sing out of tune. New York, 1902. 8°.

Gift of Publishers' Weekly.

Commelin (A. O.) Atala, New York, 1902. sq. 12°.

**Douglass** (J. M.) The riding master, and other stories. *New York*, 1902. 12°.

Gift of Publishers' Weekly.

**Drum** (B.) A dog-day journal. New York, cop. 1901. 12°.
Gift of Publishers' Weekly.

Elmore (J. B.) A lover in Cuba, and poems. Alamo, Ind., 1901. 12°.
Gift of Publishers' Weekly.

Frets (L. B.) Bennie, the Pythian of Syracuse. Chicago, 1900. 16°.
Gift of Publishers' Weekly.

Gross (J.) Ondell and Dolee. A story of mysticism. *New York*, 1902. 12°.
Gift of Publishers' Weekly.

**Henry** (A. H.) By order of the prophet. *Chicago*, 1902. 12°.

**Hibler** (C. H.) Down in Arkansas. *New York*, 1902. 8°. Gift of Publishers' Weekly.

Jones (M. P.) The chiefs of Cambria, a Welsh tale of the eleventh century. New York, 1901. 8°. Gift of Publishers' Weekly.

Judd (D. H.) That old kitchen stove. New York, 1901. 12°.

Gift of Publishers' Weekly.

**Kensington** (C.) Glenwood. New York, 1901. 8°.
Gift of Publishers' Weekly.

Knox (J. N.) Justa Hamlin's vocation. New York, 1902. 8°.

Gift of Publishers' Weekly

Louthan (H. H.) Thoughts adrift. Boston, 1902. 12°.
Gift of Publishers' Weekly.

McKay (H. J.) The poetical works of H. J. McKay. Wausau, Wis., 1902. 12°.
Gift of Publishers' Weekly.

Marquis (G. H.) Fairview's mystery. New York, cop. 1901. 12°.
Gift of Publishers' Weekly.

**Masters** (E. L.) Maximilian: a play. *Boston*, 1902. 12°.

Maxwell (H.) Jonathan Fish and his neighbors. *Morgantown*, W. Va., 1902. 8°. Gift of Publishers' Weekly.

Mills (Mrs. J. D.) Leaves from a life-book of to-day. Germantown, Pa., 1902. 12°. Gift of Publishers' Weekly.

**Modern** eloquence. Editor, T. B. Reed. *Philadelphia*, 1901. 10 v. 4°.

Murray (C.T.) Mlle. Fouchette. Philadelphia, 1902. 12°.

Oldenshaw (L.) Cranford at home, and other plays. London, 1902. 12°.

Page (K. N.) Tommy Atkins episode, and other stories. New York, 1902. 12°.
Gift of Publishers' Weekly.

**Palgrave** (F. T.) The golden treasury. *London*, 1902. 16°. (Golden treasury series.)

Payne (J.) Poetical works. London, 1902. 2 v. 8°.

Pease (E. S.) Gathered sunbeams, poems. Pittsfield, Mass., 1902. 12°. Gift of Publishers' Weekly.

Ricket (A.) Mimes and rhymes. London, 1001.

12°. Robinson (E. A.) Captain Craig: a book of

poems. Boston, 1902. 12°.

Russell (W. C.) The mate of the good ship York. Boston, 1902. 12°. Sidner (A. I.) The price inevitable. New York, 1002. 12°.

Gift of Publishers' Weekly.

Sharp (B. A.) Stolen correspondence. New York, 1901, 16°. Gift of Publishers' Weekly.

Smedberg (H.V.) The improprieties of Noah, and other stories. New York, 1901. 12°. Gift of Publishers' Weekly.

Smiley (T. E.) Lays and lyrics. New York, 1902. 8

Gift of Publishers' Weekly. Smith (J. R.) The soul-at-arms, and other

poems. Cambridgeport, Mass., 1901. 12°. Gift of Publishers' Weekly.

Snowe (L.) Two stage plays: Denzill Herbert's Atonement; Bondage. London, 1900. sq. 16°.

Stanton (F. L.) Up from Georgia. New York, 1902. 12°.

Tate (H.) Aaron Crane. New York, cop. 1900. Gift of Publishers' Weekly.

Taylor (W. A.) Intermere. Columbus, O., 1902. 12°.

Gift of Publishers' Weekly.

Terhune (E. B.) Michel Gulpe. New York, 1902. 12° Gift of Publishers' Weekly.

Tooker (L. F.) The call of the sea, and other poems. New York, 1902. 12°.

Toynbee (P.) Dante studies and researches. London, 1902. 8°.

Van Duesen (R.) Sea breezes and sand dunes. New York, 1902. 8°. Gift of Publishers' Weekly.

Wheeler (H.) Cub's career. New York, 1902. Gift of Publishers' Weekly.

Wright (W. J. P.) Dante and the Divine comedy. London, 1902. 12°.

# Foreign Literature.

Bilhaud (P.), and Hennequin (M.) Nelly Rozier, comédie. Paris, 1902. 12°.

Capus (A.) La veine: comédie. Paris, 1902. 12°

Catharine de Medici. Lettres. v. 8. Paris, 1901. 4°.

(Collection de documents inédits sur l'histoire de France.)

Clercq (R. de). De vlasgaard. Oudburg, 1902. sq. 8°.

Courouble (L.) La famille Kaekebroeck. Bruxelles, 1902. 8°.

Courouble (L.) Pauline Blatbrood. (La famille Kaekebroeck.) Bruxelles, 1902. 12°.

Donnay (M.) La bascule: comédie. Paris, IQ02. I2

Franke (O.) Pāli und Sanskrit, Strassburg, 1902. 8°

Grinchenko (B. D.) Dramy i komedii. Chernigov, 1902. 8°.

Dramas and comedies.

Grinchenko (B. D.) Khatkov v Baltzy. Chernigov, 1897. 12°

Short stories in the Ukrainian language.

Grinchenko (B.D.) Opovidannya. Chernigov, 1898. 12°.

Short stories in the Ukrainian language.

Grinchenko (B. D.) Pid tikhimi verbami. [Under the quiet willow-trees.] Kiev, 1902. 8°.

Grinchenko (B. D.) Pisni ta dumy. Part I and 2. Chernigov, 1895. 12°.

Grinchenko (B. D.) Sered temnoi nochi. [In a dark night.] Kiev, 1901. 8°. Novel.

Hebbel (F.) Sämtliche Werke. Bd. 6. Berlin, 1902. 8°.

Historia (La) de los nobles caualleros Oliveros de Castilla y Artus Dalgarbe. Burgos, 1499. 8°. Facsimile reprint. Gift of A. M. Huntington.

Merino (H.) Las Julianas. New York, 1902. Gift of A. M. Huntington. Fact teenth (?) century Spanish original. Facsimile reprint of the seven-

**Progress.** v. I-2 (nos. I-29). New York, 189I-93. 2 v. 4° and f°.

Russian literary weekly, edited by I. A. Hourwich and W. P. Zhook. No more published.

Rocke (E. von der). Det lukkede Land. Ridderdrama. Kiöbenhavn, 1901. 8°.

Serao (M.) The conquest of Rome. New York. 1902. 12°

Silvany (A.) Les voix du cœur. Lille, 1902. τ6°.

MATHEMATICAL AND PHYSICAL SCIENCES.

Atwood (I. E.) Complete graded arithmetic; fourth grade. Boston, 1901. 12°. Gift of Publishers' Weekly.

Grassi (F.) Magnetismo e elettricità. Milano, 1002, 16°.

(Manuali Hoepli.) Gift of Engineering Record.

Hornbrook (A. R.) Key to Primary arithmetic and Grammar school arithmetic. New York, 1902. T2° Gift of Publishers' Weekly.

Imperatorski Kazanski Universitet. Uchonyya zapiski. [Scientific memoirs] Year 69. books 1-4 (Jan.-Apr.) Kasan, 1902. 8°.

Pascal (E.) Lezioni di calcolo infinitesimale. pte. I. Milano, 1902. 2. ed. 16°. (Manuali Hoepli.)

Rudio (F.) Die analytische Geometrie des Raumes. Leipzig, 1901. 8°.

(Die Elemente der analytischen Geometrie. Theil 2.)

Thorpe (T. E.) Essays in historical chemistry. London, 1902. 8°.

Weinnoldt (E.) Leitfaden der analytischen Geometrie. Leipzig, 1902. 8°.

# BIOLOGICAL SCIENCE.

**Bateson** (W.) Mendel's principles of heredity: a defence. *Cambridge*, 1902. 12°.

Fauna (The) of British India, including Ceylon and Burma. Rhynchota. v. 1. (Heteroptera.) London, 1902. 8°.

**Keyser** (L. S.) Birds of the Rockies. *Chicago*, 1902. 8°.

Sutherland (H.) The book of bugs. New York, 1902. 12°.

## PHILOLOGY.

Hardeastle (Mrs. M. A.) Word signs made easy. Philadelphia, 1901. sq. 12°.

Gift of Publishers' Weekly.

**Mead** (L.) Word-coinage. New York, 1902. 24°. (Handy information series.)

## Sociology.

Cahuet (A.) La liberté du théâtre. Paris, 1902. 4°.

Chazal (A.) L'interdiction du travail de nuit des femmes dans l'industrie française. Paris, 1902.

Cooley (C. H.) Human nature and the social order. New York, 1902. 8°.

**Depper** (A.) Education civique. Commentaire de la déclaration des droits de l'homme et du citoyen de 1789 et de 1793. *Paris*, 1902. 8°.

**Donadei** (A.) Conséquences du droit de grève. *Nice*, 1902. 4°.

Faure (A. G.) Les mesures preventives contre les journaux dans la législation française. *Paris*, 1900. 4°.

Gabba (C. F.) Il divorzio. Milano, 1902. 4. ed. 8°.

Herrick (C. T.) In city tents. New York, 1902. 12°.

Howell (G.) Labour legislation. New York, 1902. 8°.

Hughes (R. E.) The making of citizens. London, 1902. 12°.

(The contemporary science series.)

**Italy.**—Statutes. Regolamento per l'esecuzione delle legge sulla emigrazione. Napoli, 1901. 16°. (Biblioteca legale, n. 474.)

**Marcombes** (V.) Deux formes de gouvernement. *Paris*, 1901. 4°.

Meyer (E. C.) Nominating systems: direct primaries versus conventions in the United States. *Madison*, *Wis.*, 1902. 8°.

Samson (J.) Des conflits de lois relatifs à la formation du mariage des Français à l'étranger. Nancy, 1902. 8°.

Servais (F.), and Camerlynek (A.) Memento du secretaire trésorier des sociétés mutualistes de retraite. *Tournai*, 1901. 16°.

Snider (D. J.) The state. St. Louis, Mo., 1902. 8°.

Snow (A. H.) The administration of dependencies. New York, 1902. 8°.

Vandervelde (É.) Le collectivisme et l'évolution industrielle. Paris, 1900. 16°.

(Bibliothèque socialiste, nos. 2-4.)

## EDUCATION.

**Bender** (W. H.) The teacher at work. *Chicago*, 1902. 12°.
Gift of Publishers' Weekly.

Georgievski (A. I.) Materialy po Universitetskomi voprosy. [Materials on University topics.] part 1. Stuttgart, 1902. 8°.

Gorst (H. E.) The curse of education. London, 1901. 12°.

# ECONOMICS.

**Dartiguenave** (A.) Relations de la banque de France avec le trésor. *Paris*, 1902. 4°.

**Haggerty** (J.) How to treat trusts, and how to win in 1904. 'New York, 1902. 12°.

Italy.—Statutes. Nuovo regolamento per la circolazione degli automobili sulle strade ordinarie. Napoli, 1902. 16°. (Biblioteca legale, n. 481.)

Italy.—Statutes. Nuovo regolamento per l'esecuzione della legge sulla privativa dei sali e dei tabacchi. Napoli, 1901. 16°. (Biblioteca legale, n. 478.)

Italy.—Statutes. Regolamento generale per l'esecuzione del servizio postale. Napoli, 1901. 16°. (Biblioteca legale, n. 462.)

White (H.) Money and banking. Boston, 1902. 2. ed. 12°.

INDUSTRIES AND INDUSTRIAL ARTS.

**Beard** (L.), and **Beard** (A. B.) New ideas for work and play. What a girl can make and do. *New York*, 1902. 8°.

Clinton (W. C.) Electric wiring. London, 1902.

(Murray's home and school library.)

**Dubislav** (E.) Wildbachverbauungen und Regulierung von Gebirgsflüssen. Berlin, 1902. f°.

**Feldmann** (H.) 525 Schornstein-Köpfe. *Hannover*, 1902. 8°. Gift of Engineering Record.

Gnehm (R.), and Surbeck (H.) Taschenbuch für die Färberei und Farbenfabrikation. Berlin, 1902. 12°.

**Hersberg** (W.) Papierprüfung. Eine Anleitung zum Untersuchen von Papier. *Berlin*, 1902. 8°.

Jervis (W. P.) The encyclopedia of ceramics. New York, 1902. 4°.

**Johow** (H.) Johow's Hilfsbuch für den Schiffbau. *Berlin*, 1902. 2. ed. 8°.

**Keen** (A.) With a saucepan over the sea. Boston, 1902. 8°.

La Cour (J. L.) Theorie der Wechselströme. Berlin, 1902. 8°. (Die Wechselstromtechnik. Bd. 1.)

Muellendorff (E.) Aufgaben aus der Elektrotechnik. Berlin, 1902. 8°.

Niccoli (V.) Costruzione ed economia dei fabricati rurali. *Milano*, 1902. 16°.

(Manuali Hoepli.) Gift of Engineering Record.

**Roth** (F.) First book of forestry. *Boston*, 1902.

Schlaether (H.) La grande pêche maritime. Paris, 1902. 4°.

**Tetzner** (F.) Die Dampfkessel. *Berlin*, 1902. 8°.

## NAVAL SCIENCE.

Bates (W. W.) American navigation. Boston, 1902. 8°.

Callou (L.) Cours de construction du navire. Paris, 1902. 2 v. 4°.

(École d'application du génie maritime.)

Gaetani (E. de). I coefficienti morale e il problema navale. *Genoa*, 1902. 8°. (Proudit Collection.)

Mahan (A. T.) Retrospect and prospect. Boston, 1902. 8°. (Proudfit Collection.)

Marvin (W. L.) The American merchant marine. New York, 1902. 8°.

Salcher (P.) Geschichte der k. u. k. Marine-Akademie. *Pola*, 1902. 8°.

#### LAW.

**Taylor** (H. O.) A treatise on the law of private corporations. *New York*, 1902. 8°. Gift of the author.

## PHILOSOPHY.

Ballough (C. A.) Sibylline leaves. De Land, Fla., 1902. 16°.

Gift of Publishers' Weekly.

**Delacroix** (H.) Essai sur le mysticisme spéculatif en Allemagne. *Paris*, 1900. 8°.

(Collection historique des grands philosophes.)

Frick (K.) Logica. Friburgi Brisgovia, 1902.

(Cursus philosophicus, pars 1.)

Hilty(K.) Glück. Frauenfeld, 1900-01. 3 v. 12°.

Jerusalem (W.) Lehrbuch der Psychologie.

Wien, 1902. 3. ed. 8°.

**Kilbourne** (E. W.) Memory and its cultivation. n. p., 1901. 12°. Gift of Publishers' Weekly.

**Personal** idealism, edited by H. Sturt. *London*, 1902. 8°.

Sidis (B.), White (W. A.), and Parker (G. M.) Psychopathological researches. New York, 1902. 8°.

**Wundt** (W.) Grundriss der Psychologie. *Leipsig*, 1902. 8°.

RELIGION.

Achenbach (N.) The two-fold covenant. Harrisburg, Pa., 1902. 12°.

Gift of Publishers' Weekly.

**Ballough** (C. A.) The power that heals. *De Land, Fla.*, 1902.
Gift of Publishers' Weekly.

Bible. English. The Bible for children. New York, 1902. 4°.

**Blake** (S. L.) The Separates, or strict Congregationalists of New England. *Boston*, 1902. 12°.

Bourrienne (V.) Antiquus cartularius ecclesiæ baiocensis. (Livre Noir.) Tome 1. Rouen, 1902. 8°.

**Bowen** (W. A.) Why two Episcopal Methodist churches in the United States? *Nashville*, 1901. 12°.

Gift of Publishers' Weekly.

**Brain** (B. M.) Fifty missionary programmes. Boston, 1901. 16°. Gift of Publishers' Weekly. **Briggs** (C. A.) The incarnation of the Lord: a series of sermons. *New York*, 1902. 8°.

Calvin (J.) Ioannis Calvani opera quæ supersunt omnia. v. 58-59. Berolini, 1900. 4°.

Clark (G.) The church of St. Bunco. New York, 1901. 8°.

Gift of Publishers' Weekly.

Cumont (F.) Les mystères de Mithra. Paris, 1902. 8°.

**Davis** (Rev. H. T.) Coals from the altar. Cincinnati, O., 1902. 12°.
Gift of Publishers' Weekly.

**De Laurence** (L. W.) The Bible defended, the Holy Scriptures upheld. A reply to Pearson. *Chicago*, 1902. 12°.

Gift of Publishers' Weekly.

**Desmond** (H. J.) Chats within the fold. Baltimore, 1901. nar. 12°.

Gift of Publishers' Weekly.

**Dixon** (R. W.) History of the Church of England from the abolition of the Roman jurisdiction. v. 4-6. *London*, 1891-1902. 8°.

**Gregg** (D.), *D.D.* The dictum of reason on man's immortality. *New York*, 1902. 12°. Gift of Publishers' Weekly.

Hale (E. E.), D.D. How to live. Boston, 1902. 12°.

History of the church of Jesus Christ of Latterday Saints. v. I. Salt Lake City, 1902. 8°. v. I. Smith (J.) History of Joseph Smith, the Prophet. by himself... 1902.

Jowett (J. H.) Brooks by the traveller's way. New York, 1900. 12°. Gift of Publishers' Weekly.

**Kern** (J. A.) The way of the preacher, an interpretation of a calling. *Nashville*, *Tenn.*, 1902. 12°.

Gift of Publishers' Weekly.

Kheiralla (J. G.), and MacNutt (H.) Behá 'Ulláh. (The Glory of God.) Chicago, 1900. 2 v. 8°.

Laache (N. J.) Book of family prayer. Bible lessons, with meditations for each day. *Decorak*, *Iowa*, 1902.

**Löhre** (N. J.) Addresses to young men and young women. *Minneapolis*, *Minn.*, 1902. 12°. Gift of Publishers' Weekly.

**Luther** (M.) Dr. Martin Luther's Werke. Kritische Gesamtausgabe. Bd. 25. Weimar, 1902. 4°.

McGarvey (J.W.) The authorship of the book of Deuteronomy. *Cincinnati*, 1902. 8°. Gift of Publishers' Weekly.

**Mahon** (R. H.) The token of the covenant; or, The right use of baptism. *Nashville*, 1902. 16°.

Gift of Publishers' Weekly.

Merrill (S. M.), and Warren (H. W.) Discourses on miracles. *Cincinnati*, 1902. sq. 16°. (Little books on doctrine.) Gift of Publishers' Weekly.

Mudge (J.), D.D. The life of love. Cincinnation 1902. sq. 16°.

(Little books on devotion.) Gift of Publishers' Weekly. **Newell** (W. C.) The life worth living; or, Guides and guards to holiness and heaven. *New York*, 1902. 8°.

Gift of Publishers' Weekly.

Palmer (B. M.), D.D. The three-fold fellowship. Rickmond, Va., 1902. 8°.

Purves (G.T.) Faith and life: sermons. Philadelphia, 1902. 8°.

Gift of Publishers' Weekly.

Rouse (W. H. D.) Greek votive offerings. Cambridge, 1902. 8°.

Ruble (W.) The wonders of the revelation of Jesus Christ. Cincinnati, 1901. 8°.

Searching for truth. New York, 1902. 8°. Gift of Publishers' Weekly.

**Sloan** (W. N.) Social regeneration the work of Christianity. *Philadelphia*, 1902. 12°.

Gift of Publishers' Weekly,

**Smith** (O. J.) Eternalism: a theory of infinite justice. *Boston*, 1902. 8°.

**Spalding** (J. L.), *bp. of Peoria*. Religion, agnosticism and education. *Chicago*, 1902. 12°. Gift of Publishers' Weekly.

**Thompson** (Sir Henry). "The unknown God"? An essay. London, 1902. 24°. Gift of Publishers' Weekly.

Tourreil (L. J. B. de). Religion fusionienne. Paris, 1902. 4°.

Townsend (L. T.), D.D. Satan and demons. Cincinnati, 1902. sq. 16°.

(Little books on doctrine.) Gift of Publishers' Weekly.

Tuttle (J. E.), D.D. The gift of power. Philadelphia, 1902. 16°.
Gift of Publishers' Weekly.

**Wilson** (Rev. L. C.) A great cloud of witnesses: being a treatise on immersion. Cincinnati, O., 1901. 12°.

# PRINCIPAL DONORS IN OCTOBER.

	vols.	PMS.	1	VOLS.	PMS.
Academia Românâ în Bucu-	VOLG.	IMS.	Launceston, Tasmania, Me-	1023.	
resci	1	I	chanics' Institute	I	3
Amer. Mus. of Nat. History.	I		Lawson, Thomas W	1	J
Arnhem, Neth., Burgemeester	4		London County Council	1	
Avery, S. P. (80 prints).	•		Loubat, Duc de	2	
Bankipur, Oriental Pub. Lib.	I		Lucas, George A. (23 prints).		
Beardslee, Mrs. R. G	171	34	Lurie, M. S	1.	2
Borin, Victor	52	93	Manufact. & Mechan. Lib.,		
Boston, Young Men's Chris-	<b>J</b> -	75	Lewiston	I 2	19
tian Union	1		Maryland Geolog. Survey .	1	,
Bradford, Pa., City Clerk .	1		Maryland State Game Ward'n	1	
Brisbane School of Arts		17	Melbourne, Town Clerk	2	
Brown, Franklin Q		2	Meyer, Johann	7	15
Brown, Henry J	65	9	Morse, Prof. E. S	•	ī
Brown University	7	82	Museo de La Plata	1	
Buffalo Hist. Soc	i		Neth, Min, van Koloniën .	2	1
Cadwalader, John L	66	9	New Jersey, Agric. Ex Stat'n	t	
Cal. State Bd. of Fish Com.	1	5	New Jersey, Fish & Game		
Canada, House of Commons	23		Commiss	I	I
Canada, Meteorolog. Service	27	2	N. Y. County Supts. of Poor	I	
Canadian Soc. of Civ. Engrs.	2		N. Y. State Bd. of Tax Com.	2	
Century Company	138	8	N. Y. State Library	6	2
Commercial Exch. of Phil	1		Newfoundland, Col. Sec	I	
Cuba, U. S. Legation	2	4	Nies, Rev. J. B		T
Denmark, Rigsdagen Bur	8		Oficina Meteorológica Ar-		
Detroit, City Controller	1	•	gentina	I	
Doubleday, Mrs. F. N	3	1	Ontario, Dept. of Insurance.	1	
Draper, Mrs. Henry	7 1	30	Oxford, Eng., City Acc'ntant	I	
Evanston Free Pub. Lib	4	16	Pahang Govt. Gazette		13
Falkland Islands, Col. Sec		8	Pennsylvania State Lib	26	3
Ford, W. C., and P. L. (13			Perak Govt. Gazette		I
broadsides)		11	Phi Gamma Delta Fraternity	2	
France, Min. du Commerce.	1		Pike, Miss Grace G	3	
Green, Dr. S. A	14	77	Publishers' Weekly	98	52
Grenada, Col. Sec	I		Quebec, Dept. of Lands,		
Harvard Co-operative Soc		4	Forests, etc	2 I	
India, AdjGen. in India .		7	Robinson, John	6	
India Office	I		Royal Soc. of Canada	1	
India, The Viceroy	1		Russia, Min. of the Interior.		1
Italy, Min of Finance	2		Scribner's, Charles, Sons (135		
Japan, Min. of Finance	3		prints).		
Jones, Capt. S. G. (9 pieces			Sugden, Thos. D. (34 prints).		
of paper money, etc.)			Tasmania, House of Assembly	2	
Kansas State Hist. Soc	2	3	Todd, Thomas	1	_
Kennedy, John S	5		U. S. Supt. of Documents .	4 T	26
Kennedy, Thomas F	1		Wilson, Gen. James Grant.	I	
King, Gen. Horatio C	4	II	Yefremov, S. A	3	

Published monthly by The New York Public Library, No. 40 Lafayette Place, New York City.

Subscription One Dollar a year, single numbers Ten Cents. Subscriptions may be sent to 1. Ferris Lockwood, Business Superintendent, No. 40 Lafayette Place, New York.

Entered at the Post Office at New York, N. Y., as second-class matter, January 30, 1897, under Act of July 16, 1894.

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# BULLETIN

OF THE



# NEW YORK PUBLIC LIBRARY

ASTOR LENOX AND TILDEN FOUNDATIONS

# Volume VI · Number 12 December 1902

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NEW YORK 1902

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# BULLETIN

OF THE

# NEW YORK PUBLIC LIBRARY

# ASTOR LENOX AND TILDEN FOUNDATIONS

Vol. VI. December, 1902. No. 12.

# REPORT FOR NOVEMBER.

# REFERENCE DEPARTMENT.

During the month of November there were received at the Library, by purchase, 575 volumes and 197 pamphlets; by gift, 1,023 volumes, 2,419 pamphlets and 41 maps; and by exchange, 22 volumes and 31 pamphlets.

There were catalogued 4,183 volumes and 3,552, pamphlets, for which purpose 9,647 cards and 3,338 slips for the copying machine were written, and 16,101 cards were received from the copying machine.

The following table shows the number of readers, and the number of volumes consulted, in both the Astor and Lenox Branches of the Library, also the number of visitors to the Print Department at the Lenox, during the month:

	LENOX.	Astor.
No. of readers and visitors	4,668	8,997
No. of readers	2,086	8,997
No. of readers, desk applicants	1,088	8,140
No. of volumes consulted by desk applicants.	4,292	29,401
Daily average of readers	83	360
Number of visitors to Print Exhibit, etc	2,596	

# CIRCULATION DEPARTMENT.

The most popular books for the month were (in non-fiction): James's "Talks to Teachers on Psychology," Lamb's "Tales from Shakespeare," and Roosevelt's "The Strenuous Life;" (adult fiction) Wister's "The Virginian," Chambers's "Maid-at-Arms;" Caine's "The Eternal City;" (juvenile fiction) Hegan's "Mrs. Wiggs of the Cabbage Patch," Alcott's "An Old-fashioned Thanksgiving," and Barbour's "Behind the Lines."

# CIRCULATION STATISTICS.

BRANCHES.	CIRCUL	ATION.	NEW REGISTRA- TIONS.	READERS I	VOLUMES	
	HOME USE. (VOLUMES.)	HALL USE. (READERS.)		MINORS.	TOTAL.	ACCES- SIONED.
Bond Street	9,724	514	190	876	3,316	68
Ottendorfer	18, 329	882	341	2,051	4,743	135
George Bruce	13,305	2,802	249	1,625	2,802	107
Jackson Square	11,185	1,224	160	526	2,350	117
Harlem	11,734	1,423	324	1,601	2,524	102
Muhlenberg	9,303	2,748	180	1,427	2,748	95
Bloomingdale	15,507	1,919	284	1,663	3,287	144
Riverside	5,216	1,159	96	1,591	2,567	22
Yorkville	15,640	1,464	282	1,213	1,464	347
Thirty-fourth Street	5,348	1,850	123	1,238	1,850	58
Chatham Square	13,262	1,182	275	992	1, 182	148
St. Agnes	12,839	1,842	241	1,106	2,940	79
Washington Heights	9,417	1,170	171	2,614	5,480	181
Travelling	20,923					318
	171,732	20,179	2,916	18,523	37,253	1,921

The most important gifts received at the Library during the month were from Mr. Alexander Maitland and Mrs. Henry Draper. Mr. Maitland gave an interesting volume of 17th and 18th century tracts (1680-1791), many of them Boston imprints, some of the most important titles of which are "The True Protestant (Domestick) Intelligence, or News both from City and Country" (London, 1680, Nos. 1-7); "Rules for the Society of Negroes, 1693" ([Boston, 1693?], 1 page); Question: Are we obliged in this Government of the Massachusetts, by Charter, to Settle a Salary upon the Governor?" ([Boston, 1729] 2 pp.); "The Articles for the Boston Presbiterian Society, Erected September 21st, 1736" (2 pp.); New Hampshire-Journal of the House of Representatives, Jan.-May, 1745 ([Boston, 1745], 45 pp.); Same, Jan.-Feb., 1762 ([Boston, 1762] 13 pp.); "Letters to . . . Earl of Hillsborough, from Gov. Bernard, Gen. Gage," etc. (Boston: Edes & Gill, 1769, 83 pp.); "By the King, A Proclamation for Suppressing Rebellion and Sedition, 23 Aug., 1775," with nine other Revolutionary Proclamations; Quebec, Ordinances, 1777 (132 pp. F°, French and English); Déclaration adressée au nom du Roi à tous les anciens françois de l'Amerique septentrional" [By Count d'Estaing, printed in 1778 on board his flag ship Languedoc, urging French Canadians to rise], 3 pp.; "Proceedings of a General Court Martial . . . For the Trial of Major-General Howe, Dec. 7, 1781" (Philadelphia: Hall & Sellers, 1782, 31 pp. F'); "An Address to the . . . Inhabitants of . . . Maine" (1791, 3 pp., urging statehood); Report of the Secretary of the Treasury, 9 Jan., 1790; and the Report of the Secretary of State, 8 Nov., 1791. Mrs. Draper's gift consisted of a collection of over 2,000 French illustrated almanacks, comprising some 300 titles, ranging in date from 1800 to 1898, bound in 442 volumes, from the library of Sir

William Augustus Fraser, and of 58 additional volumes to the collections of literary annuals and Almanach des Dames presented by her some months ago.

Other important gifts were: from S. P. Avery, 7 volumes, including 2 volumes of the Wallace collection of paintings at Hertford, 9 pamphlets and 19 prints; from Abraham Cahan, 45 volumes, chiefly sociological works; from the Disconto Gesellschaft, Berlin, its jubilee history; The "Mariner's Magazine" (London, 1684); W. B[rown's] Book of Entries (1671); "Plusieurs très bons cases"... par Jean Latch (1661), etc.; from Major Clarence Ewen, 4 volumes in all; from the R. Istituto de Studi Superiori, Firenze, 4 volumes and 4 pamphlets, publications of the Institute; from the Minister of Public Instruction, France, 3 volumes, including "Inventaire général des richesses d'art de la France"; from the Préfet de la Seine, France, 8 volumes and 2 pamphlets; from Funk & Wagnalls, a copy of volume 2 of the Jewish Encyclopædia, together with a complete set of proofs of the "Ark of the Law," illustrating the process of printing a lithographic plate in sixteen colors; from the Harvard Club, 17 volumes and 39 pamphlets, reports of clubs, etc.; from the Kurskaya Gubernskaya Zemskaya Uprava, Kursk, 6 volumes and 7 pamphlets; from George Austin Morrison, Jr., 12 volumes and 34 pamphlets, vocal and piano scores of operas, etc.; from Charles K. Needham, New Albany, Indiana, 14 pieces of paper money, notes of southern and western banks between 1836 and 1855, a Confederate five-dollar note, 4 bills of sale or hire of slaves, a travel permit for a slave, a copy of papers found on a slave sold away from his family in 1844, and a letter of Salmon P. Chase, dated 21 April, 1845, urging attendance at the Southern and Western Liberty Convention at Cincinnati, June 11, 1845; from the Civil Governor of the Philippine Islands, 11 volumes and 218 pamphlets, chiefly general orders, decisions, etc., of the Customs Division; from John Robinson, 16 literary annuals; from George W. Smith, a copy of the Index of Wills, office of the Secretary of State of New Jersey; from the Supreme Court of Australia, a copy of the Catalogue of its Library; from William C. Whitney, a copy of "The Hermitage-Zoar Note Book and Journal of Travel of Alexander Gunn" (New York, 1902); and from the Yorkshire Philosophical Society, 2 volumes and 68 pamphlets, reports and proceedings of the society.

The exhibitions of American wood engravings at the Lenox and of drawings and caricatures of and by Victor Hugo at the Astor were continued during the month.

The new picture bulletins in the circulation branches were as follows: Bond Street, Fires and firemen; Ottendorfer, Thanksgiving day, Some interesting books, Music and musicians, Opera; Bruce, Thanksgiving day, Animals, Christmas, New books; Jackson Square, Thanksgiving day; Harlem, Browning, Bryant, Henty, Longfellow, Stevenson, Whittier; Muhlenberg, College stories, Thanksgiving day, G. A. Henty, New books; Bloomingdale, Thanksgiving day, Henty; Thirty-fourth Street, Thanksgiving day; Chatham Square, Indians, Thanksgiving day, G. A. Henty, Popular authors; St Agnes, Thanksgiving day, Fairy tales, New books, Boarding school stories; Washington Heights, Thanksgiving day.

The cornerstone of the new building was laid November 10th by Mayor Seth Low, addresses being delivered by Hon. John Bigelow, president of the Board of Trustees, and by the Mayor, and prayers being offered by Rev. William R. Hunt-

ington and the Most Rev. Archbishop Farley. In the cornerstone were placed the following documents: Annual reports of the Astor Library for 1850 and 1804: annual reports of the Lenox Library for 1870 and 1894; vol. 1, no. 1, vol. 2, nos. 1, 2, 4, 10, vol. 3, nos. 1, 3, 10, vol. 4, nos. 1, 10, vol. 5, nos. 1, 3, 6, 7, 10, vol. 6, nos, 1, 10 of the Bulletin of the New York Public Library; Handbook of the New York Public Library, 1900; Catalogue of paintings in the Lenox gallery; Catalogue of paintings in the Robert L. Stuart collection; Handbook of the S. P. Avery collection of prints and art books, 1901; Book of charters, wills, deeds, and consolidation, 1895; By-laws, Nov., 1895, Feb., 1901, of the New York Public Library; Rules, December, 1896; Preliminary competition for the new building, May 21, 1807 (containing Act of Legislature, Chapter 556, Laws of 1807, authorizing the construction of the building at a cost of \$2,500,000.00); Circulars 1, 2, 3, 4, and letter of the secretary, July 31, 1897; Terms of competition, Aug. 2, 1897; Resolutions of Board of Estimate and Apportionment, Contract between City and Library trustees, Resolutions of Department of Public Parks, and Contract between City (by Dept. of Parks) and Architects, Dec., 1897; Supplementary Act of Legislature, Chapter 627, Laws of 1900, removing the limit of cost of new building; Correspondence relating to consolidation of free circulating libraries with the New York Public Library, 1900; Agreement of consolidation of the New York Public Library and the New York Free Circulating Library, Jan. 11, 1901; Agreement with the City relative to the gift of Andrew Carnegie, July 17, 1901; Monthly Bulletin of the New York Free Circulating Library, vol. 2, no. 10: vol. 1, no. 2, vol. 2, no. 6 of the "Monthly list of additions" of the Circulation Department of the New York Public Library; 21st and final Report of the New York Free Circulating Library; volume of Minutes of the Park Board containing action of Department with regard to the Library; copy of contract and specifications for removal of the Reservoir; copy of contract and specifications for Library building proper; copy of invitation to cornerstone ceremonies; list of Commissioners and officers of the Park Board; photographs of Reservoir, drawings of Library, and site of the building; historical description of Library building; and newspapers of the day.

# SIR RALPH WINWOOD TO EARL SALISBURY ON THE ASSASSINA-TION OF HENRY IV., IN 1610.

(Printed from the Hardwicke manuscripts in the New York Public Library.)

HAGUE, 8th MAY 1610

I write not at this time to advertise your Lt of that most wretched & damnable Massacre, perpetrated on Friday last, between the Hours of 4 & 5 in the Evening, upon the Person of the French King, in Paris, (the particulars whereof, before these were written, are come to your L's knowledge) but out of my Duty to His Majesty's Service, humbly to crave your L' Directions, upon this unhappy & unreasonable Accident; which being of that important consequence, cannot but stagger all present Revolutions; & necessarily will produce strange Alterations, if not miserable Confusions in these Parts of the World. That which doth give no respite for deliberation, but doth press & cry for Execution, is the Affair of the Princes, for their Establishment in the Possession of Cleves & Juliers; Which Cause, unless His Majesty shall be pleased, out of his princely care for the maintenance of Justice, & the defence of Religion, to embrace with a strong & powerful Resolution, will fall to the ground. How much, the Greatness of the House of Austria, will be thereby reinforced, which never was brought to so low an ebb, & what courage the Pope & his Prelates will recover, who now are aux derniers abboye & gasp for breath, it were vanity for me to discourse to your Lt. Morning, upon the first bruit of this Disaster, which came hither by the Mouth of a Messenger, who only delivereth the Fact, without Circumstance, I spake together with the C. Maurice & M. Barnevelt, They jointly acknowledge, what the truth is, that the subsistence of the Realm of France, that by a Relapse into Civil & Internal Dissensions, it become not to be Cantoned, & so Morsel after Morsel, to be devoured by Spain. That the Union of the Provinces remain forever indissoluble & undivided: That the Princes be established in their rightful Possessions of Cleves & Juliers; in Sum, that Europe become not a Prey to the Tyranny of the House of Austria, wholly dependeth upon the magnanimous Resolutions His Majesty will be pleased now to take; to whom the Providence of God, by this Occasion, doth minister a most spacious Field, wherein to exercise his royal virtues of magnanimity, of Piety, of Mercy, & Justice, wherewith he is so richly endowed. I find by them, they love no Cowage; Principes mortales, Respublica est immortalis. What His Majesty shall be pleased to resolve, direct & advise therein, They will join, & that They will precisely follow; even above the Power & Strength of their means. Untill We shall receive Letters from your Lp., which shall take notice of this unhappiness, notwithstanding any Directions which We presume are now on the way, all Things here shall stand at a stay; only, the States General will write to the Princes, to have care of their affairs, with promise of assistance from Themselves. & continuance of His Majesty's gracious Favor to their Cause.

The Princes have given a second blow to Leopold, by the defeat of 700 Foot, which lately were overthrown by a Count of Solmes.

Tho the Marquis Spinola hath an Army on foot, We do not think that suddenly he will engage himself for Leopold, but rather will lie aux escortes, to see what Party in France, will declare for the Prince of Conde; to whose Assistance perhaps he will come.

The States Emb<sup>r</sup> on Sunday last returned out of France, only Mons<sup>r</sup> Walderec is yet in Zealand.

By a Dispatch the States General send now, the Emb<sup>ra</sup>. in England have Order to make an Account to His Majesty; what hath been treated in France. Upon a late advertisement I have received, I charged this day Mons<sup>r</sup> Barnevelt, that their Emb<sup>ra</sup>. in France, had there contracted to break with the Archduke, & had partaged the Wolf's Skin yet being alive. But he constantly affirmed the information to be ill grounded.

# LIST OF WORKS ON ELECTRICITY IN THE NEW YORK PUBLIC LIBRARY.

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Part II. For Part I (General Works and Production) see the November Bulletin.

## TRANSMISSION.

# GENERAL WORKS.

Higgs (P.) Electric transmission of power; its present position and advantages. London, 1879. il. 12°.

Japing (E.) Die elektrische Kraftübertragung und ihre Anwendung in der Praxis. Mit besonderer Rücksicht auf die Fortleitung und Vertheilung des elektrischen Stromes. Wien, 1883. 12°. (Elektro-technische Bibliothek. Band 2, bd. with Bd. 1.)

Zacharias (J.) Die elektrischen Leitungen und

ihre Anlage für alle Zwecke der Praxis. Wien, 1883. 12

(Elektro-technische Bibliothek. Band 16, bd. with Bd. 13.) Boulanger (J.) Sur l'emploi de l'électricité pour la transmission du travail à distance. Paris: Gautier Villars, 1887. 8°.

Krieg (Martin). Die Erzeugung und Verteilung der Elektrizität in Zentral Stationen. Bd. 2. Magdeburg: Faber, 1888. I v. 8°.

Marié (Georges). Les régulateurs dans les distributions d'électricité. Paris: Vve C. Dunod, 1888. 104 pp., 3 pl. 8°. Repr.: Annales des mines, 1888.

Badt (F. B.) Electric transmission hand-book. Chicago: Electrical Pub. Co., 1891. 16°.

Maycock (W. P.) Electric lighting and power distribution; an elementary manual . . . London, 1892. 16°.

Kapp (G.) Electric transmission of energy... a practical handbook. 3 ed. London: Whittaker & Co., 1891. 12°. (Specialists' series.)

Pleou (R. V.) La distribution de l'électricité: usines centrales. *Paris* [1892]. 12°. (Encycl. scient. d. aide-mém. Sect. de l'ingén.)

Weiller (L.), and Vivares (H.) Traité général des lignes et transmissions électriques. Paris, 1892. 4°.

Hersog (J.), and Feldmann (C. P.) Die Berechnung elektrischer Leitungsnetze in Theorie und Praxis. Berlin, 1893. 8°.

Snell (Albion T.) Electric motive power: the transmission and distribution of electric power by continuous and alternate currents. With a section on the applications of electricity to mining work. vi, 403 pp., 21. New York: D. Van Nostrand Co., 1894. 8°. (Electrician ser.)

Venable (W. M.) Long-distance transmission of energy by electricity. [Cincinnati, 1895?] 12°. (Engineers' Club of Cincinnati. [Papers.])

**Bell** (L.) Electric power transmission. A practical treatise for practical men. 4 p. l., 491 pp., 4 pl. New York: The W. J. Johnston Co., 1897. 8°.

Hochenegg (C.) Anordnung und Bemessung elektrischer Leitungen. 2. Aufl. viii, 214 pp. Berlin: J. Springer, 1897. 8°.

Scott (E. K.) The local distribution of electric power in workshops, etc. London: Biggs & Co. [1897]. 4 p. l., 137, viii pp., 1 l. 12°.

Blondel (A.) De l'utilité publique des trans-missions électriques d'énergie But, procédes, état actuel, valeur économique et avenir. (Annales d. ponts et chausées. Partie 1, sér. 7, v. 8, Trimes. I, pp. 60-162. Paris, 1898.)

Dennhardt ([A. W. | R.) \*Ueber Beziehungen zwischen Fluidität und electrolytischer Leitfähigkeit von Salzlösungen sowie über die Leitfähigkeit von Ölsäure und deren Alkalisalzen in Wasser bez. Alkoholen bei verschiedenen Temperaturen. [Erlangen.] Leipzig: J. A. Barth, 1898. 40 pp., 1 l., 1 tab. 8°.

Ferguson (Louis A.) General distribution from central stations by direct currents. (Electrical World. New York, 1898. F°. v. 31, pp. 779-781;

32, pp. 7-10.)
Forbes (George). Long-distance transmission of electric power. (Jour. of the Soc. of Arts. Lon-

don, 1898. 8°. v. 47, pp. 25-35).

Hentse (W.) Analytische Berechnung elektrischer Leitungen. Berlin: J. Springer, 1898. 3 p. l., 81 pp. 8°.

High-tension trunk mains. (Engineer. London,

1898. f°. v. 86, pp. 531-532.)

Howell (John W.) Two-wire distributing systems and lamps at 200-240 volts. (Electrical World. New York, 1898. f°. v. 32, pp. 40-41.)

**Kelley** (W. S.) Consideration of the multiphase system for central station service. (Electrical Engineer. New York, 1898. f°. v. 26, pp. 281-284.)

Kohlfuerst ([L.]) Die gemischten Betriebe auf Schwachstromleitungen mit besonderer Berücksichtigung der beim Nachrichtenwesen der Eisenbahnen vorkommenden Anordnungen. Stuttgart: F. Enke, 1898. pp. 255-320. 8°. (Samm. elektrotechn. Vort. Bd. 1, Hft. 7-8.)

Mavor (Henry A.) Some of the economic and practical aspects of electrical power distribution in factories. 1 pl., 3 tab. (Transac. Inst. of Engineers and Shipbuilders in Scotland. Glasgow, 1898. 8°.

41, pp. 313-326.)

Reyval (J.) Matériel fortis pour canalisations aériennes à hautes tensions. (L'éclairage électrique. Paris, 1898. 4°. v. 17, pp. 351-356.)

Siemens (Alexander). Transmission of power by electricity. (Electrical Engineer. London, 1898. 4°. v. (28) n. s., v. 22, pp. 358–360.)

Emmet (W. L. R.) Means of attaining safety in electrical distribution. (Electr. Rev. v. 34, pp. 354-355, 362. New York, 1899.)

Transmission, cont d.

Frankenfield (Budd). Economy of copper in transmission lines. (Wisconsin Engineer. *Madison*, *Wis.*, 1899. 8°. v. 3, pp. 84-98.)

Guilbert (C. F.) Systèmes de distribution de l'énergie électrique: système de distribution par courants alternatifs. (Éclairage électrique. v. 19, pp. 281-289, 401-410; v. 22, pp. 13-21. Paris, 1890.)

Kilgour (Hamilton). Miscellaneous notes on the Cheltenham mains. (Electr. Engineer. v. 29 (n. s., v. 23), pp. 596-599, 627-630. London, 1899.)

**Kraftübertragung** unter 40,000 V. Spannung. (Elektrotechnische Ztschr. *Berlin*, 1899. f°. Jahrg. 20, pp. 118–120, 154–158.)

Lasche (O.) Elektrischer Einzelantrieb mit Drehstrom. 2 pl. (Zeitschr. d. Vereines deutscher Ingenieure. v. 43, pp. 287-297. *Berlin*, 1899.)

**Leblanc** (Maurice). Étude sur la transmission et la distribution de l'énergie par les courants alternatifs. (L'éclairage électr. v. 17, pp. 425-432, 473-482, 509-512, 547-551; v. 18. pp. 123-128, 161-167, 249-253, 376-379, 488-491; v. 20, pp. 171-178, 205-211, 253-261, 292-296, 404-413, 447-456, 498-506. *Paris*, 1899.)

Leslie (E. A.) Some notes on underground distribution of two-phase currents in New York city. (Electr. World and Engineer. v. 33, pp. 844-845. *New York*, 1899.)

—— (Electrical Review. v. 34, pp. 412-413. New York, 1899.)

Raworth (John S.) The generation and electrical distribution of motive power. (Electr. Engineer. (v. 30) n. s., v. 24, pp. 562-564, 597-598. London, 1899.)

Schueler (L.) Mess-Schaltung für Hochspannungs Anlagen. (Elektrotechnische Ztschr. Jahrg. 20, pp. 868–869. Berlin, 1899.)

**Sellers** (Coleman). Chairman's annual discourse for 1899, on the transmission of energy by electricity. (Amer. philos. soc. Proc. v. 38, pp. 49-71. *Philadelphia*, 1899.)

**Wilson** (Ernest). Power distribution for electrical traction. (Engineer. *London*, 1899. f°. v. 87, pp. 51-52.)

Adams (Alton D.) The economics of long distance electric power transmission. (Engineering News. v. 43, pp. 73-74. New York, 1900.)

The future of electrical supply. (Engineering Maga. v. 18, pp. 837-843. New York, 1900.)

— Limits of electric transmission. (Scientif. Amer. v. 83, 115 pp. New York, 1900.)

Aldrich (William S.) Systems and efficiency of electric transmission in factories and mills. (Jour. Amer. Soc. of Naval Engineers. v. 12, pp. 402-420. Washington, 1900.)

**Barton** (Edwin H.), and **Lownds** (Louis). Reflexion and transmission by condensers of electric waves along wires. (Phys. Soc. of London. Proc. v. 17, pp. 273-312. London, 1900.)

**Bell** (Louis). A field for long-distance transmission. (Electr. Rev. v. 36, p. 227. New York, 1900.)

Crocker (Francis B.) Principles of alternating current distribution. (School of Mines Quar. v. 21, pp. 93-112. *New York*, 1900.)

Cuénod (). Distribution de la force à de grandes distances par l'électricité au moyen du courant continu à intensité constante. (Bull. Soc. internat. d. électriciens. v. 17, pp. 9-92. Paris, 1000.)

Earle (H. A.) Relative advantages of directcurrent and three-phase distribution for small installations. (Electrical Engineer. v. 32 (n. s., v. 26), pp. 766-770. London, 1900.)

Electric energy in bulk. (Engineering. v. 69, pp. 223-224. London, 1900.)

Gerard (Eric). Nouveaux progrès dans les distributions électriques. (Rev. univers. d. mines. sér. 3, v. 51, pp. 70-76. Liège, 1900.)

Goldsborough (W. E.) The limitations of long-distance power transmission. (Electr. Rev. v. 36, p. 391. New York, 1900.)

Guarini ( ). La transmission de l'énergie électrique par l'éther. (Bull. de la Soc. belge d'électriciens. v. 17, pp. 15-28. Bruxelles, 1900.)

Henry (Edmond). Application de la transmission de l'énergie par l'électricité aux chantiers de travaux publics. (Congrès internat. de mécanique appliquée à l'exposition de 1900. v. I, Rapports, pp. 285-292. Paris, 1900.)

Herzog (Josef), and Feldmann (Clarence P.) Ueber widerstandstreue Umgestaltung elektrischer Leitungsnetze (Transfigurirung). (Elektrotech. Ztschr. Jahrg. 21, pp. 167-171. Berlin, 1900.)

**Kraemer** (J.) Wirkungsgrade und Kosten elektrischer und mechanischer Kraft-Transmissionen . . . Leipzig: O. Leiner, 1900. viii, 126 pp. 2 ed. 8°.

Macdonald (Hector Munro). Demonstration of Green's formula for electric density near the vertex of a right cone. (Cambridge Philos. Soc. Trans. v. 18, pp. 292-297. Cambridge, 1900.)

**Perrine** (Frederic A. C.) Regulation in long-distance transmission. (Electr. Rev. v. 37, pp. 152-153. *New York*, 1900.)

**Preller** (C. Du Riche). Alternate current power transmissions. (Engineering. v. 69, pp. 37-40. London, 1900.

Russell (Alexander). The theory of the power factor. (Electrician. v. 44, pp. 49-50, 72-73. London, 1900.)

Reviewed by J. R. in L'éclairage electr. v. 22, pp. 102-106. Paris, 1900.

Wordingham (C. H.) On the maintenance of certain portions of distributing systems at earth potential. (Electrical Engineer. v. 32 (n. s., v. 26), pp. 93-95. London, 1900.)

Aldrich (Wm. S.) Requirements of electricity in manufacturing work. (Transac, Amer. Soc. of Mechanical Engineers. v. 22, pp. 1003–1019. New York, 1901.)

Appleyard (Rollo). A direct-reading conductivity-bridge. (Lond., Edinb. and Dublin Philosoph. Maga. and Jour. of Sci. ser. 6, v. 2 (v. 51) pp. 178-179. London, 1901.)

Transmission, cont'd.

Columbo (L. Vincenzo). Raggio economico in una distribuzione di energia elettrica con sottostazioni di trasformatori. (Atti dell' assoc. elettrotecn. italiana. v. 4, pp. 81-90. *Torino*, 1900.)

**Discussion** (A) of electrical distribution. Papers and discussions at the recent meeting of the American Institute of Electrical Engineers. (Electr. Rev. v. 39, pp. 683-686. *New York*, 1901.)

**Dusaugey** (E.) Étude économique d'un transport d'énergie à grande distance; avec preface par J. Pionchon. *Grenoble: A. Gratier & Cie.*, 1901. xv, 50 pp., 1 l. 8°. (Au pays de la houille blanche.)

**Earth** potential curves from Chicago, Toledo and Columbus. (Elec. World and Engineer. v. 37, pp. 594-595. *New York*, 1901.)

Electric (The) distribution of power in workshops. Discussion. (Jour. Franklin Inst. v. 151, pp. 1-28. *Philadelphia*, 1901.)

**Esson** (W. B.) The case for electric power distribution. (Electrical Engineer. (v. 33 (n. s., v. 27), pp. 46-51. *London*, 1901.)

---- (Journal Institute of Electr. Engineers. v. 31, pp. 138-158. London, 1901.)

—— (Electrician. v. 46, pp. 461-464; 503-506. London, 1901.)

Griveaud (Léon). Étude sur les poteaux et les pylones pour le transport de l'energie éléctrique. (Rev. gen. de la construction metallique et de la serrurerie: partie technique, 1901. pp. 21-24; 33-44; 120-122; 129-145; 161-164; 212-214; 225-233; 257-265; 307-312; 342-348; 353-360. Paris, 1901.)

Hoit (Lehman B.) Efficiency of multiple voltage control in electric power transmission. (Assoc. Engineering Soc. v. 27, pp. 87-98. Philadelphia, 1901.)

Jones (Forrest R.) Power and light for the machine shop and foundry. (Transac. Amer. Soc. of Mechanical Engineers. v. 22, pp. 366-385. New York, 1901.)

Latour (Marius). Sur le système de transmission Bedell à courant ondulé. (L'éclairage électrique. v. 27, pp. 13-15. *Paris*, 1901.)

Mead (Daniel W.) Some notes on electric light and power distribution. (Municipal engineering, v. 21, pp. 57-60; 131-139; 207-214; 379-386. (Indianapolis, 1901.)

Negro (Luigi). Conduttura elettromagnetica a contatti superficiali per ferrovie e tramvie elettriche. (Atti dell' assoc. elettrotecn. italiana. v. 5, pp. 231–245. *Torino*, 1901.)

**Negrotti** (Diofebo). Calcolo delle lunghe linee di trasmissione di energia mediante correnti monofasi. (La rivista tecnica. Anno I, pp. 542-553. *Torino*, 1901.)

— Calcolo delle lunghe linee di trasmissione di energia mediante correnti polifasi. (La rivista tecnica. Anno I, pp. 740-749. *Torino*, 1901.)

**Perrine** (F. A. C) Elements of design particularly pertaining to long-distance transmission. (Electr. Rev. v. 39, pp. 255-257. *New York*, 1901.)

Rice (E. W.), jr. The control of high potential systems of large power. (Trans. Amer. Inst. of Electr. Engineers. v. 18, pp. 895-908. New York, 1901.)

Schnetzler (K.) Über die Grenzen der Hochspannung bei elektrotechnischen Anlagen. (Schilling's Jour. F. Gasbeleucht. Jahrg. 44, pp. 250-254. München, 1901.)

Startsman (Charles W.) The theory and calculations of alternating-current transmission lines. (Electr. Rev. v. 39, pp. 781-786. New York, 1901.)

**Stillwell** (Lewis B.) The electric transmission of power from Niagara falls. (Electr. Rev. v. 39, pp. 451-452; 472-474; 508-510; 536-539; 574-577; 636-638; 665-666; 693-697. *New York*, 1901.)

**Stott** (Henry Gordon). The distribution and conversion of received currents. (Electr. Rev. v. 38, pp. 521-523. *New York*, 1901.)

**Thornton** (K. B.) Notes on the construction and protection of aerial transmission and distribution systems. (Electr. World and Engineer. v. 38, pp. 61-64. *New York*, 1901.)

—— —— (Electrical Review. v. 39, pp. 14-15. New York, 1901.)

**Abraham** (A. J.) The earthing of the middle conductor. (Electrical Rev. v. 51, p. 291. *London*, 1902.)

Adams (Alton D.) The physical limits of electric power transmission. (Engineering Maga. v. 24, pp. 10-16. *London*, 1902.)

Aldrich (William S.) Electric transmission of power for navy yards. (Jour. Amer. Soc. of Naval Engineers. v. 14, pp. 448-457. Washington, D.C., 1902.)

**Baillie** (G. H.) The effects of self-induction and capacity in electric transmission. (Electrician. v. 49, pp. 517-519; 635-638. *London*, 1902.)

Blanck (W.) Moderne Hochspannungsanlagen in amerikanischen Grossstädten.) Elektrotech. Ztsch. Jahrg. 23, pp. 665-670; 691-697. Berlin, 1902.)

**Dumas** (A.) Transport d'énergie par courant continu de Saint-Maurice à Lausanne. I pl. (Le Génie civil. v. 41, pp. 213-220. *Paris*, 1902.)

Eddy (Henry T.) Attenuation and distortion on long distance telephone and power transmission lines regarded as hydrodynamic phenomena. (Electr. World and Engineer. v. 40, pp. 127-128. New York, 1902.)

Electric transmission systems. Discussion. (Transac. Amer. Inst. of Electr. Engineers. v. 19, pp. 166-187. New York, 1902.)

Hayes (Stephen O.) The transmission system of the Compania Explotadora de San Idlefonso of the City of Mexico. (Electr. World and Engineer. v. 39, pp. 465-471; 503-507; 545-548. New York, 1902.)

In this system, the usual arrangement of a single generating station furnishing power to a number of sub-stations is reversed, and a number of generating stations supply power to a single sub-station. Transmission, cont'd.

**Long** transmission from a steam station for electric traction. (Electr. World and Engineer. v. 40, pp. 569-576. *New York*, 1902.)

Marquet (Charles). Les secteurs de distribution d'électricité à Paris. (Génie civil. v. 40, pp. 346-349; 359-362; 377-380; 395-397; 410-413. Paris, 1902.)

Reyval (J.) Lignes de transport d'énergie à 26,000 volts, de la région de Grenoble. (L'éclair. electr. v. 32, pp. 77-84. Paris, 1902.)

Snell (John F. C.) The relative advantages of two and three-wire distribution. [Discussion.] (Electrician. v. 49, pp. 630-633. London, 1902.)

Stewart (Andrew). Some notes on the influence of the sub-station equipment and transmission line on the cost of electricity supply. (Elect. Engineer. v. 35 (n. s., v. 29), pp. 159–161; 225–227; 261–262. London, 1902.)

#### CIRCUITS.

Du Bois (H.) The magnetic circuit in theory and practice; translated by Dr. Atkinson. xviii, (2) 362 pp. ill. London: Longmans, Green & Co., 1896. 8°.

**Hutchinson** (Cary T.) The protection of secondary circuits from fire risks. (Electr. Rev. v. 35, pp. 30-31. *New York*, 1899.)

**Heubach** (Julius). Der Widerstand des Kurzschlussankers. (Elektrotechnische Ztschr. Jahrg. 22, pp. 430-434. *Berlin*, 1901.)

22, pp. 430-434. *Berlin*, 1901.) **Kennelly** (A. E.) Surges in transmission circuits. (Electr. World and Engineer. v. 38, pp. 847-849. *New York*, 1901.)

Thomas (Percy H.) Static strains in high tension circuits and the protection of apparatus. (Transac. Amer. Inst. of Electr. Engineers. v. 19, pp. 189-240. New York, 1902.)

—— (Electr. Rev. v. 40, pp. 261-265; 323-326. New York, 1902.)

## CONDUCTION.

Zacharias (J.) Die Unterhaltung und Reparatur der elektrischen Leitungen für alle Zwecke der Praxis. Wien, 1884. 12°. (Elektro-tech. Bibl., Bd. 24.)

**Branly** (Édouard). Conductibilité électrique des radioconducteurs. [Rev. d. questions scientif. Louvain, 1898. 8°. (v. 43) ser. 2, v. 13, pp. 353-360).

Pierce (Benjamin Osgood), and Willson (Robert Wheeler). On the thermal conductivities of certain poor conductors. I. Illus. diagrams. (Amer. Acad. of Arts and Sciences. Proc. v. 34, pp. 1-50. Boston, 1898.)

**Dusour** (M.) Remarque sur les réseaux de conducteurs. Une propriété du pont de Wheatstone. (Jour. de physique théor. & appl. *Paris*, 1899. 8°. sér. 3, v. 8, pp. 165–166.)

**Grassi** (G.) Calcul de la puissance absorbée par les courants de Foucault dans les conducteurs. (Éclairage électr. *Paris*, 1899. 4°. v. 18, pp. 307-310.)

Harth (Henry P.) The determination of standards of conductivity. (Electr. World and Engineer. v. 34, pp. 447-448. New York, 1899.)

Kohlrausch (Friedrich). Über den stationären Temperaturzustand eines von einem elektrischen Strome erwärmten Leiters. (Kön-preuss. Akad. d. Wissensch. Sitzungsb. 1899, p. 711-718. Berlin, 1890.)

**Pomey** (J. B.) Sur les réseaux de conducteurs à dimensions transversales finies. (Éclairage électrique. v. 19, pp. 169-172. *Paris*, 1899.)

Julius (Victor August). Sur l'action subie par un conducteur chargé dans un champ d'intensité constante. (Archives néerlandaises. sér. 2, v. 5, p. 17-31. La Haye, 1900.)

Kohlrausch (Friedrich). Ueber den stationären Temperaturzustand eines elektrisch geheizten Leiters. (Annalen d. Physik. ser 4, v. 1, pp. 132-158. *Leipszig*, 1900.)

**Lees** (Charles H.) On the conductivities of certain heterogeneous media for a steady flux having a potential. (Lond., Edinb., and Dub. Philosoph Maga. and Jour. of Sci. ser. 5, v. 49, pp. 221-226. *London*, 1900.)

— — (Physical Society of London. Proceedings. v. 17, pp. 68-73. London, 1900.)

Sever (George F.) Engineering tests on direct current electrical machinery with preliminary tests on the properties of conductors. (School of Mines Quar. v. 21, pp. 113-136. New York, 1900.)

Wilkens (K.) Uber die Erwärmung unterirdischer elektrischer Leitungen. (Elektrotechnische Ztschr. Jahrg. 21, pp. 413-416. *Berlin*, 1900.)

**Pupin** (M. I.) A note on loaded conductors. (Electr. World and Engineer. v. 38, pp. 587-588. New York, 1901.)

Addicks (Lawrence). The commercial measurement of electrical conductivity. (Electr. Rev. v. 40, pp. 460-462. New York, 1902.)

Bose (Emil). Ueber die Natur der Elektricitätsleitung in elektrolytischen Glühkörpern. (Nachrichten v. d. Kön. Gesellsch. d. Wissensch. Math.-phys. Klasse. 1902, Heft 1, pp. 1-19. Göttingen, 1902.)

Gumlich (E.) Ueber das Verhältniss der magnetischen Eigenschaften zum elektrischen Leitvermögen magnetischer Materialien. (Elektrotechn. Ztschr. Jahrg. 23, pp. 101–102. Berlin, 1902.)

Perkins (Charles A.) The heating of electrical conductors in a liquid bath. (Univers. of Tennessee Rec. v. 5, pp. 233-237. *Knoxville*, 1902.)

**Pupin** (M. T.) The general problem of wave propagation over non-uniform conductors. (Electr. World and Engineer. v. 39, pp. 384-387. *New York*, 1902.)

Warlusel ( ). Détermination de la section des conducteurs. (Rev. tech. v. 23, pp. 283-287. *Paris*, 1902.)

Zeeman (Pieter). Measures relatives à l'absorption des vibrations électriques dans un électrolyte. *a plates*. (Archives néerlandaises, sér. 2, v. 7, pp. 10-27. *La Haye*, 1902.)

Conduction, cont'd.

Conduction in Various Media.

## — Aluminum.

**Kershau** (John B. C.) L'aluminium utilisé comme conducteur de l'électricité. (Soc. belge d'électriciens. Bull. mensuel. v. 18, pp. 253-257. *Bruxelles*, 1901.)

## —— Amidosulphonic acid.

**Sakurai** (Jōji). Molecular conductivity of amidosulphonic acid. (Imperial univ. of Japan, College of sci. Jour. v. 9, p. 259-271. *Tokyo*, 1897.)

## - Copper.

**Sanford** (F.) Some observations upon the conductivity of a copper wire in various dielectrics. Palo Alto, Cal.: The University, 1892. 41 pp., 3 diagr. 8°. (Leland Stanford Junior Univ. Pubs. Studies in electricity, No. 1.)

Merrill (Joseph Francis). Influence of the surrounding dielectric on the conductivity of copper wire. (Physical Rev. New York, 1899. 8°. v. 8, pp. 112-127.)

# - Dichlorofluoracetic acid.

Swarts (F.) Sur la conductibilité électrique de l'acide dichlorflouracétique. [Bruxelles: Hayes, 1895.] 8 pp. 8°. (In Acad. roy. d. Belgique. Mém. cour. et autres mem. v. 51. no. 3.)

#### - Gases.

Wilson (Harold A.) On the electrical conductivity of flames containing salt vapors. *Illus*. (Roy. soc. of London. Philos. trans. v. 192, ser. A, p. 499-528. *London*, 1899.)

Smithells (Arthur), Dawson (H. M.), and Wilson (Harold A.) Electrical conductivity and luminosity of flames containing vaporised salts. Illus. (Roy. soc. of London, Philos. trans. v. 193, ser. A, p. 89–128. London, 1900.)

McLennan (John Cunningham). Electrical conductivity in gases traversed by cathode rays. Illus. (Roy. soc. of London. Philos. trans. v. 195, ser. A, pp. 49-77. London, 1901.)

**Pochettino** (A.) Sulla conducibilità elettrica dei vapori di ipoazotide. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 10, pt. 2. pp. 202-207. *Roma*, 1901.)

**Strutt** (Robert John). On the conductivity of gases under the Becquerel rays. *Illus*. (Roy. soc. of London. Philos. trans. v. 196, ser. A, pp. 507-527. *London*, 1901.)

Wilson (Harold Albert). On the electrical conductivity of air and salt vapors. *Illus*. (Roy. soc. of London. Philos. trans. v. 197, ser. A, pp. 421-441. *London*, 1901.)

Lewis (Percival). The rôle of water vapour in gaseous conduction. (Lond., Edinb. and Dub. Philosoph. Maga. ser. 5, v. 3, pp. 512-514. London, 1902.)

McClelland (J. A.) On the action of incandescent metals in producing electric conductivity in gases. (Proc. Cambridge Philosoph. soc. v. 11, pp. 296-305. Cambridge, Eng., 1902.)

## - Glass.

Bollé (Erwin). \*Zur Kenntniss des electrischen Leitvermögens von Glas und Bergkrystall . . . Berlin: A. Lüdtke [1900?]. 38 pp., I l., I pl. 8°.

## - Iron and Steel.

**Barrett** (William F.), **Brown** (W.), and **Hadfield** (R. A.) On the electrical conductivity and magnetic permeability of various alloys of iron. 12 illus. 8 tables. (Roy. Dublin soc. Scient. trans. ser. 2, v. 7, pp. 67–126. Dublin, 1900.)

Hall (Edwin Herbert). On the thermal and electrical conductivity of soft iron. Diagram. (Amer. acad. of arts and sci. Proc. v. 36, pp. 119-141. Boston, 1900. 8°.)

Benedicks (Carl). Der elektrische Leitungswiderstand des Stahles und des reinen Eisens. (Ztsch. f. physikal. Chemie. v. 40, pp. 545-560. Leipsig, 1902.)

—— Liquids.

Bryan (G. B.) On the determination of the conductivity of liquids in thin layers. *Illus*. (Philos. mag. and jour. of science. ser. 5, v. 45, pp. 253-272. *London*, 1898.)

# - Magnalium.

Grau (). Widerstandscoefficient und Leitungsfähigkeit des Magnaliums. (Mittheil d. k. k. tech. Gewerbe-Museums in Wien. n. s. Jahrg. 10, pp. 266–268. *Wien*, 1900.)

- Metals.

Straneo (Paolo). Sulla determinazione simultanea delle conducibilità termiche ed elettrica dei metalli a differenti temperature. (R. accad. dei Lincei. Rendic. classe d. sci. fis. v. 7, pt. 1, pp. 197-202. *Roma*, 1808.)

Jaeger (Wilhelm), and Dieselhorst (H.) Wärmeleitung, Elektricitätsleitung, Wärmecapacität und Thermokraft einiger Metalle. (Konpreuss. Akad. d. Wissensch. Sitzungsb. 1899, pp. 719-726. Berlin, 1899.)

Riecke (Eduard). Ueber das Verhältnis der Leitfähigkeiten der Metalle für Wärme und für Elektricität. (Annalen d. Physik. ser. 4, v. 2, pp. 835-842. Leipzig, 1900.)

**Bose** (Jagadis Chunder). On the change of conductivity of metallic particles under cyclic electromotive variation. (Electrician. v. 47, pp. 830-832; 877-881. *London*, 1901.)

Thompson (J. J.) On the theory of electric conduction through thin metallic films. Proc. Cambridge Philosoph. Soc. v. II, pp. 120-122. Cambridge, 1901.)

**Drude** (P.) Zur Elektronentheorie der Metalle. (Annalen d. Physik. ser. 4, v. 7, pp. 687-692. *Leipzig*, 1902.)

Streintz (Franz). Leitvermögen und Atomwärme der Metalle. (Annalen d. Physik. ser. 4, v. 8, pp. 847-853. *Leipzig*, 1902.)

## - Minerals.

**Beijerinck** (F.) Ueber das Leitungsvermögen der Mineralien für Elektricität. 1 pl. (Neues Jahrb. f. Mineral. Geol. u. Palaeontol. *Stuttgart*, 1898. 8°. v. 11, pp. 403-474.)

# ---- Paraffin.

Hasenöhrl (Fritz). Über den Rückstand und die Leitfähigkeit von Paraffin und Schwefel. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 107, pt. 2a, pp. 1035-1040. Wien. 1808.)

Conduction, confd.

– Potassium Nitrate.

**Kramers** (J. C. H.) Sur la conductibilité électrique du nitrate de potassium. 5 plates. (Archives néerlandaises. sér. 2, v. 1, pp. 455-494. La Haye, 1898.)

---- Powders.

Streints (Franz). Ueber die elektrische Leitfähigkeit von gepressten Pulvern. (Annalen der Physik. ser 4, v. 3, (v. 308), pp. 1-19. Leipsig, 1900.)

Fritsch (C.) \*Ueber das electrolytische Leitvermögen fester Lösungen. [Erlangen.] Leipsig: J. A. Barth, (A. Meiner), 1896, 17 pp. 8°.

**Rueping** (H.) \*I. Beiträge zur Kenntnis der Ketomenthylsäure und Menthoximsäure. II. Leitfähigkeit wässerigalkoholischer Salzlösungen. Erlangen: F. Junge, 1897. 38 pp., 1 l. 8°.

Kohlrausch (F.), and Holborn (L.) Das Leitvermögen der Elektrolyte insbesondere der Lösungen. Methoden, Resultate, und chemische Anwendungen. Leipsig: B. G. Teubner, 1898. xvi, 211 pp., 1 diag. 8°.

MacGregor (James Gordon), and Archibald (E. H.) On the calculation of the conductivity of aqueous solutions containing two electrolytes with no common ion. (Philos. mag. and jour. of science. ser. 5, v. 45, pp. 151-157. London, 1808.)

Hoffmeister ([K. A.] H.) Ueber Stromleitung iu gemischten Salzlösungen. Berlin: G. Schade, 1899. 29 pp., 1 l. 8°.

Kohlrausch (Friedrich), and Maltby (Margaret E.) Das elektrische Leitvermögen wässriger Lösungen von Alkali Chloriden und Nitraten. (Kön-preuss. Akad. d. Wissensch. Sitzungsb. 1899, pp. 665-671. Berlin, 1899.)

Kohlrausch (Friedrich). Über das elektrische Leitvermögen von Lösungen der Alkali-Jodate und eine Formel zur Berechnung von Leitvermögen. (Kön-preuss. Akad. d. Wissensch. Sitzungsb. 1900, pp. 1002–1008. Berlin, 1900.)

**Ven** (E. van der). Sur le transport des liquides par le courant électrique. (Archives néerlandaises. sér. 2, v. 6, pp. 127-132. La Haye, 1901.)

**Eversheim** (P.) Bestimmung der Leitfähigkeit und Dielektricitätsconstanten von Lösungsmitteln und deren Lösungen in ihrer Abhängigkeit von der Temperatur bis über den kritischen Punkt. (Annalen d. Physik. ser. 4, v. 8, pp. 539-567. *Leipzig*, 1902.)

Wolf (Hans). Beitrag zur Kenntnis der Leitfähigkeiten gemischter Lösungen von Elektrolyten. (Ztschr. f. physikal. Chemie. v. 40, pp. 222-255. Leipzig, 1902.)

- Water,

Cohn (Emil), and Zeeman (Pieter). Observations sur la propagation de vibrations electriques dans l'eau. (Archives néerlandaises. sér. 2, v. 7, p. 1-9. La Haye, 1902.)

## CURRENTS.

See also ante Electrodynamics and Electro-magnetism.

Ohm (George Simon). Théorie mathématique des courants électriques. Traduction, préface et notes de J. M. Gaugoin. Paris: La Hachette et Cie., 1860. 2 p. l., 202 pp., 1 l. 8°.

**Ohm** (G. S.) The galvanic circuit investigated mathematically; translated by Wm. Francis, with a preface by the ed., T. D. Lockwood. *New York*, 1891. (Van Nostrand Science Series No. 102. 24°.)

Neumann (Franz). Vorlesungen über elektrische Ströme [1864-5]; hrsg. von K. Vondermühl. x., 308 pp. Leipzig: B. G. Teubner, 1884. 8°. (Vorles. über mathem. Phys. Heft 3.)

Van der Weyde (P. H.) The comparative dangers of alternate vs. direct electric currents. n. p. [1888?] I p. l., 8 pp. 8°.

**Brown** (H. P.) The comparative danger to life of the alternating and continuous electrical currents. *New York*, cop. 1889. pm. 12°.

**Bedell** (F.), and **Crehore** (A. C.) Derivation and discussion of the general solution for the current flowing in a circuit containing resistance, self-induction and capacity, with any impressed electromotive-force. [Chicago, 1892.] pm. 8°.

**Heinke** (C.) Die Hauptbegriffe der Gleichund Wechselstromtechnik unter Benutzung mechanischer Hilfsvorstellungen. Stuttgart: F. Enke, 1898. pp. 121-254. 8°. (Samm, elektrotechn. Vort. Bd. 1. Hft, 5-6.)

Lampa (Anton.) Über einen Beugungsversuch mit elektrischen Wellen. Illus. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 108. pt. 2a, pp. 786–802. Wien, 1899.)

Mewes (Rudolf). Das ohmsche Gesetz nach der Vibrationstheorie. (Elektrochemische Zeitschr. Jahrg. 6, pp. 155-158. *Berlin*, 1899.)

Blondel (André). Sur l'inscription directe des courants variables. (Congrès internat. de physique. 1900. Rapports. v. 3, pp. 264-295. *Paris*, 1900.)

**Bragstad** (O. S.) Ueber die Wellenform des Drehstromes. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 252-254. *Berlin*, 1900.)

**Discussion** on the relative advantages of alternating and continuous current for a general supply of electricity, especially with regard to interference with other interests. (Jour. Inst. of Elec. Engineers. v. 30, pp. 3-26. London, 1900.)

—— (Transac. Amer. Inst. Electr. Engineers. v. 17, pp. 517-542. *New York*, 1901.)

Johnson (K. R.) Ueber den Oeffnungsstrom in einem verzweigten Stromkreise. (Annalen d. Physik. ser. 4, v. 2, pp. 495–504. *Leipzig*, 1900.)

Potier (A.) Sur l'énergie des courants. (L'éclairage électr. v. 22, pp. 81-83. Paris, 1900.)

Benischke (Gustav). Die Abhängigkeit der Eisenverluste von der Kurvenform. (Elektrotech. Ztsch. Jahrg. 22, pp. 52-57. Berlin, 1901.)

Mathy (E.) Application des signes de Weierstrass à l'étude de l'énergie potentielle de deux courants circulaires parallèles d'intensité un. (Jour. de phys. théor. & appli. sér. 3, v. 10, pp. 33-36. Paris, 1901.)

Currents, cont d.

Stark (J.) Das Ohmsche Gesetz. (Naturwissensch. Rundschau. Jahrg. 16. pp. 597-600. Braunschweig, 1901.)

**Vilar** (H. Sire de). La dualite en électrotechnique. (L'éclair. électr. v. 27, pp. 252-259; 278-285. v. 28, pp. 236-250. *Paris*, 1901.)

Warrilow (W. E.) The prospects of single-phase supply. (Electr. Engineer. v. 34 (n. s., v. 28), pp. 271-272. London, 1001.)

Chertemps (Ch.) Valeur et mesure de la puissance des courants électriques industriels. (Bull. technol. 1902, pp. 633-656. *Paris*, 1902.)

Christiansen (C.) Unipolare elektriske Strömme i en Elektrolyt. (Oversigt over det kongelige danske Videnskab. Selsk. Forhandl. 1901, no. 6, pp. 205-219. Köbenhavn, 1902.)

**Day** (William S.) An experiment relating to the application of Lagrange's equations of motion to electric currents. (Phys. Rev. v. 15, pp. 154–162. *Lancaster*, Pa., 1902.)

Garbasso (Antonio). Su la derivazione delle correnti a regime variabile. (Atti dell' assoc. elettrotecn. italiana. v. 6, pp. 131-136. *Torino*, 1902.)

Lenner (R.) Il limitatore di corrente. (Atti dell' assoc. elettrotecn. italiana. v. 6, pp. 203-214. *Torino*, 1902.)

Wortruba (R.) Der elektrische Strom, seine Gesetze und Wirkungen in der Strombahn... Berlin: H. Costenoble, 1902. 4 p. l., 162 pp., 3 l. 2. ed. 8°. (In his Lehrbücher der Electrotechnik... Berlin, 1902. 8°. Bd. I.)

## Interrupters.

Tosla's (Mr.) circuit interrupters. (Electrical World. New York, 1898. 4°. v. 32, pp. 181–184)

Arsonval (d'). Interrupteur électrolytique. (Jour de physique théor. & appli. sér. 3, v. 8, pp. 206-209. *Paris*, 1899.)

Child (Charles T.) Some experiments with the Caldwell interrupter. (Electrical Rev. v. 34, pp. 295. New York, 1899.)

Lamotte ( ). Interrupteurs à liquides Webnelt et Caldwell. Construction, théorie, applications. (L'éclairage électr. v. 21, pp. 41-46; 127-137; 180-184; 250-256. Paris, 1899.)

Perot (A.) Les applications du nouvel interrupteur électrique à la production des rayons X et à la télegraphie sans fil. (Bull. Soc. sci. indust. de Marseille. année 27, pp. 54-60. Marseille, 1800)

Simon (Hermann Th.) Ueber einen neuen Flüssigkeitsunterbrecher. (Annalen d. Physik u. Chemie. n. s., v. 68, pp. 866–868. *Leipsig*, 1899.)

Sergniat (Ph. Tardent de). Interrupteurs électrolytiques pour bobines d'induction. (Bull. tech. (Génie civil.) Année 1, pp. 200-218. *Paris*, 1800.)

Bailey (Benj. F.) Electrolytic interrupters. (Electr. World and Engineer. v. 36, pp. 207-210. New York, 1900.)

Johnson (K. R.) Ueber den Extrastrom beim Unterbrechen eines elektrischen Stromkreises. (Annalen d. Physik. ser. 4, v. 2, pp. 179–185. Leipzig, 1900.) **Kallir** (Ludwig). Ueber den Verlauf des Unterbrechungsfunkens im Wechselstromkreise bei Metallelektroden, insbesondere bei Quecksilberelektroden. (Annalen d. Physik. ser. 4, v. 2, pp. 250-265. *Leipzig*, 1900.)

Pizsuti (M.) Un inconveniente degli interruttori automatici. (Atti della assoc. elettrotecn. italiana. v. 4, pp. 1-4. Torino, 1900.)

**Ruhmer** (Ernst). Über den Einfluss der Selbstinduktion auf die Unterbrechungszahl beim Simonschen Loch-Unterbrecher. (Physikalische Zeitschr. Jahrg. 1, pp. 211-212. *Leipzig*, 1900.)

— Die Unregelmässigkeit der Unterbrechungen bei den neueren Flüssigkeitsunterbrechern. (Elektrotechnische Ztschr. Jahrg. 21, pp. 331-334. Berlin, 1900.)

Telltales for circuit-breakers. (Sci. and Industry. v. 5, pp. 204-206. Scranton, Pa., 1900.)

Guillaume (Jacques). Freins dynamométriques à actions magnétiques et électromagnétiques. (L'éclairage électr. v. 29, pp. 189-196; 265-276. Paris, 1901.)

Pierce (George). Elektrische Brechungsexponenten gemessen mit einem abgeänderten Radiomikrometer. (Physik. Ztschr. Jahrg. 2, pp. 405– 409. *Leipzig*, 1901.)

Neuer (Ein) Quecksilberstrahl-Unterbrecher. (Elektrotechn. Ztschr. Jahrg. 23, pp. 107-108. Berlin, 1902.)

Roman (Joseph Martin). High tension Circuit-Safeguards. (Electr. World and Engineer. v. 40, pp. 247-251. New York, 1902.)

Taylor (A. H.) A carbon electrolytic interfupter. (Phys. Rev. v. 14, pp. 118-121. (Lancaster, Pa., 1902.)

# Wehnelt Interrupter.

Wehnelt (A.) Ein elektrolytischer Stromunterbrecher. (Elektrotechnische Zeitschrift. *Berlin*, 1899. f°. v. 20, pp. 76–78.)

Corbino (Orso Mario). Sull' interruttore di Wehnelt. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 8, pt. 2, pp. 352-359. Roma, 1899.)

— Correnti dissimetriche ottenute nel secondario di un trasformatore, interrompendo nel primario la corrente con l'apparecchio di Wehnelt. Illus. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 8, pt. 2, pp. 359-365. Roma, 1899.)

Elektrolytische Stromunterbrecher von Dr. A. Wehnelt. (Elektrochemische Ztschr. Jahrg. 6, pp. 69-74. Berlin, 1899.)

Federico (R.), and Baccei (P.) Sull' interruttore elettrolitico di Wehnelt. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 8, pt. 2, pp. 347-352. Roma, 1899.)

Humphreys (W. J.) The Wehnelt electrolytic break. (Physical Rev. v. 9, pp. 30-40. Lancaster, 1899.)

Lecher (Ernst). Einige Versuche mit dem Wehnelt-Interruptor. Illus. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 108, pt. 2a, pp. 677-683. Wien, 1899.)

Rossi (Andrea Giulio). Alcune osservazioni sull' interruttore elettrolitico di Wehnelt. (R. accad. d. scienze. Atti. v. 34, pp. 666-677. *Torino*, 1899.)

Interrupters, cont'd.

Expériences sur l'interrupteur de Wehnelt. (L'éclairage électrique. v. 20, pp. 22-25. Paris, 1899.)

Ruhmer (Ernst). Beitrag zur Theorie des Wehnelt'schen Unterbrechers. (Elektrotechnische Ztschr. Jahrg. 20, pp. 456-458. Berlin, 1899.)

— Ueber den Einfluss der Selbstinduktion auf die Unterbrechungszahl beim Wehnelt'schen Unterbrecher. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 786-787. *Berlin*, 1899.)

Simon (Hermann Th.) Das Wirkungsgesetz des Wehnelt-Unterbrechers. (Annalen d. Physik u. Chemie. n. s., v. 68, pp. 273-293. *Leipzig*, 1899.)

Swinton (A. A. Campbell). Exhibition and description of Wehnelt's current-interrupter. (Physical Soc. of London. Proc. v. 16, pp. 419-424. London, 1899.)

Thomson (Elihu). The Wehnelt electrolytic current interrupter. (Electrical Engineer. New York, 1899. 4°. v. 27, pp. 239-240.)

Voller (A.), and Walter (B.) Ueber die Vorgänge im Wehnelt'schen elektrolytischen Unterbrecher. (Annalen der Physik u. Chemie. v. 304. (n. s., 68.) pp. 526-552. Leipsig, 1899.)

Wehnelt (A.) Ein elektrolytischer Stromunterbrecher. (Annalen der Physik u. Chemie. n. s., v. 68, pp. 233-272. *Leipzig*, 1899.)

Corbino (Orso Mario). Correnti indotte in un trasformatore per l'interruzione della corrente primaria con l'apparecchio di Wehnelt. *Illus*. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5; v. 9, pt. 1, pp 102-107. *Roma*, 1900.)

— Sull' interruttore di Wehnelt. (Atti dell' assoc. elettrotecn. italiana. v. 4, pp. 11-26. *Torino*, 1900.)

Lampa (Anton). Eine Studie über Wehnelt'schen Unterbrecher. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 109, pt. 2a, pp. 891-901. Wien, 1900.)

Rothé (Edmund). Sur l'interrupteur Wehnelt. Existence d'un régime stable. Influence sur l'éclairage des lampes. (Jour. de physique. sér. 3, v. 9, pp. 95-99. Paris, 1900.)

Ruhmer (E.) Über den Widerstand des Wehnelt Unterbrechers. (Physikalische Ztschr. Jahrg. 1, pp. 303-305. Leipzig, 1900.)

Codd (M. A.) Some experiments on the Wehnelt interrupter. (Electr. Rev. v. 49, pp. 787-789. London, 1901.)

Lampa (Anton). Über Stromunterbrechung, mit besonderer Berücksichtigung des Wehnelt'schen Unterbrechers. Illus. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 110, pt. 2a, pp. 891-906. Wien, 1901.)

Misuno (T.) The function of self-induction in Wehnelt's interrupter. (Lond., Edinb. & Dublin Philosoph. Maga. & Jour. of Sci. v. 51 (ser. 6, v. 1), pp. 246-250. London 1901.)

Klupathy (Eugen). Zur Theorie des Wehneltunterbrechers. (Annalen d. Physik. ser. 4, v. 9, pp. 147-163. *Leipzig*, 1902.) Photographs.

Gates (Elmer). Electrographs or pictures of itself made by the electric current without a camera. (Photo. Times. v. 31, pp. 561-564. New York, 1899.)

Hotehkias (H. J.) A portable apparatus for photographing curves of two variable currents simultaneously. 2 pl. (Physical Rev. v. 8, pp. 152-160. Lancaster, Pa., 1899.)

Hospitalier (É.) Sur quelques applications de la méthode stroboscopique à l'étude des courants alternatifs. L'arcoscope et l'ondographe. (Bull. Soc. internat. d. électriciens. sér. 2, v. 1, pp. 339-359. *Paris*, 1901.)

**Weinhold** (A.) Demonstration und Photographie von Wechselstromkurven mittels der Braun'schen Röhre. (Elektrotech. Ztschr. Jahrg. 22, pp. 409-411. *Berlin*, 1901.)

Hospitalier (E.) Ondographe. (Jour. de physique théor. sér. 4, v. 1, pp. 409-417. Paris, 1902.)

Potential.

**Tumlirz** (O.) Das Potential und seine Anwendung zuder Erklärung der elektrischen Erscheinungen... Wien, 1884. 12°. (Elektro. tech. Bibl., Bd. 23.)

Child (G. D.) On the fall of potential at the surface of a metal when exposed to the discharging action of the X-rays. (Physical Rev. New York, 1898. 8°. v. 6, pp. 285-296.)

Mebius (Clas Albert). Potentialbestämningar i ett vakuumrör. 24 pp. 6 illus. (Kongl. svenska vetenskaps-akad. Bihang till handlingar, v. 24, pt. 1, no. 3. Stockholm, 1898.)

**Behrend** (B. A.) Ueber den Spannungsabfall bei Wechselstromgeneratoren. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 839–840. *Berlin*, 1899.)

Hasenöhrl (Fritz.) Über ein Problem der Potentialtheorie. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 108, pt. 2a, pp. 1667–1693. Wien, 1899.)

Patterson (G. W.) Experimentelle und theoretische Untersuchung über das Selbstpotential. (Annalen der Physik u. Chemie. n. s., v. 69, pp. 34-65. *Leipzig*, 1899.)

Teege (H.) Ueber einen auffälligen Werth der Potentialdifferenz auf einem stromdurchflossenen Leiter. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 856-857. Berlin, 1899.)

Winship (Walter Edwin). \*Zur Theorie der Potentialgefälle in verdünnten Lösungen... Berlin: G. Schade [1899?]. 62 pp., 1 l. 8°.

Campetti (Adolfo). Sulla differenza di potenziale tra un sale solido e una sua soluzione. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 9, pt. 2, pp. 27-31. Roma, 1900.)

Guilbert (C. F.) Expression de la puissance, avec la méthode des imaginaires de M. Steinmetz. (L'éclair. électr. v. 22, pp. 361-370. Paris, 1900.)

Hobson (Ernest William). On Green's function for a circular disc, with applications to electrostatic problems. 3 illus. (Cambridge philos. soc. Trans. v. 18, pp. 277-201. Cambridge, 1900.)

Johnson (K. R.) Constanz oder Inconstanz des Funkenpotentiales. (Annalen d. Physik, ser. 4, v. 3, pp. 461-470. Leipzig, 1900.) Potential, cont'd.

Marx (Erich). Ueber den Potentialfall und die Dissociation in Flammengasen. (Annalen d. Physik. ser. 4, v. 2, pp. 768-797. *Leipzig*, 1900.)

Ostwald (W.) Über die absoluten Potentiale der Metalle nebst Bemerkungen über Normalelektroden. (Ztschr. f. physikal. Chemie. v. 35, pp. 333-339. *Leipsig*, 1900.)

**Schmidt** (G. C.) Über den Einfluss der Temperatur auf das Potentialgefälle in verdünnten Gasen. (Physikalische Zeitschr. Jahrg. 1, pp. 251–254. Göttingen, 1900.)

Almy (John E.) On a diminution of the potential difference between the electrodes of a vacuum tube, produced by a magnetic field at the cathode. (Proc. of the Camb. Philosoph. Soc. v. II, pp. 183-190. Cambridge, 1901.)

**Haber** (F.) Bemerkungen über Elektrodenpotentiale. (Ztschr. f. Elektrochemie. Jahrg. 7, pp. 1043-1053. *Halle a. S.*, 1901.)

Hasslinger (Rudolf v.) Über Potential differenzen in Flammengasen und einigen festen Elektrolyten. (Kais. Akad. d. Wisssensch. Math.-naturwiss. Classe. Sitzungsb. v. 110, pt. 2a, pp. 696-705. Wien, 1901.)

Weber (Heinrich). Beiträge zur Theorie des Potentials galvanischer Ströme. (In: Abhandlungen aus den Gebieten der Mathematik, Physik, Chemie... Braunschweig, 1901. 8°. pp. 87-125.)

**Beaulard** (F.) Sur la différence de potentiel et l'amortissement de l'étincelle électrique à caractère oscillatoire. (Annales de l'univ. de Grenoble. v. 14, pp. 105-112. *Paris*, 1902.)

Carpini (Camillo). Determinazione del potenziale elettro-statico mediante la deformazione d'una superficie liquida. (R. accad. d. Lincei. Rendic. classe d. sci. fis. ser. 5, v. 11, pt. 1, pp. 65-69. Roma, 1902.)

**Crémieu** (V.) Méthode de réglage automatique du potential d'un condensateur relais electrostatique. (Jour. de phys. théor. & appl. sér. 4, v. 1, pp. 583-588. *Paris*, 1902.)

**Henning** (F.) Vergleichende Messungen des elektrischen Potentiales mittels der Flamme und eines aus radioactiver Substanz bestehenden Collectors. (Annalen d. Physik. ser. 4, v. 7, pp. 893-904. *Leipzig*, 1902.)

**Hesehus** (N. A.) Die gemeinsame Dimenzionalität des elektrischen Potentials und der Oberflächenspannung. (Physik. Ztschr. Jahrg. 3, pp. 561-565. *Leipzig*, 1902.)

**Mernst** (W.), and **Lessing** (A.) Ueber die Wanderung galvanischer Polarisation durch Platinund Paladiumplatten. (Nachrichten v. d. Königl. Gesellsch. d. Wiss. Math.-Phys. Klasse. 1902. Heft 2, pp. 146-150. Göllingen, 1902.)

Pomey (J. B.) Oscillations propres des réseaux. (L'éclair. électr. v. 31, pp. 197-200. *Paris*, 1902.)

Stark (J.) Über die Beziehung zwischen Kathodenfall und Stromstärke. (Physik. Ztschr. Jahrg. 3, pp. 274–275. *Leipzig*, 1902.)

## Resistance.

Schroeder van der Kolk (Henricus Guilielmus). \*Specimen physicum de methodis quibus resistentia galvanica determinatur, metallorum im-

primis . . . 4 p.l., xi-xiv, 1l., 128 pp., 1 diagr. Trajecti ad Rhenum, Kemink et filius, typogr., 1860. 8°.

**Jenkin** (F.) Report on the new unit of electrical resistance proposed . . . by the committee on electrical standards appointed in 1861 by the British Association. (In: Brit. Assoc. for the Adv. of Sci. Reports of the comm on electrical standards. *London*, 1873. 8°. pp. 191-199)

**Barus** (C.), and **Strouhal** (V.) The relation between electrical resistance and density, when varying with the temper of steel. n.t. p. 1886. pm. 8°.

**Barus** (Carl). The electrical resistance of stressed glass. [Washington, D.C., 1889.] pp. 339-351. 8°.

Burstall (F. W.) On the use of bare wire for resistance-coils. (Phys. Soc. of Lond, Proc. v. xiv, p. 286.)

**Dewar** (James), and **Fleming** (J. A.) Electrical resistivity of bismuth at the temperature of liquid air. (Roy. Soc. Proc. v. 60, 1896, pp. 72-75.)

Electrical resistivity of pure mercury at the temperature of liquid air. (Roy. Soc. Proc. v. 60, 1896, pp. 76-81.)

Beattie (J. Carruthers). On the electric resistance of cobalt, iron, and nickel films in magnetic fields of various strengths. ills. (Philos. Mag. and Jour. of Science. ser. 5, v. 45, pp. 243-253. London, 1898.)

Hasenöhrl (Fritz). Über den Rückstand und die Leitfähigkeit von Paraffin und Schwefel. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 107, pt. 2a, pp. 1035–1040. Wien, 1808.)

**Tripier** (H.) Sur la détermination des resistances électriques d'un circuit pour traction. (L'éclairage électrique. *Paris*, 1898. 4°. v. 17, pp. 505-508.)

**Barton** (Edwin H.) The equivalent resistance and inductance of a wire to an oscillatory discharge. (Physical Soc. of Lond. Proc. v. 16, pp. 409-419. *London*, 1899.)

Gressman (George W.) The electrical resistance of lead amalgams at low temperatures. (Physical Rev. v. 9, pp. 20-29. Lancaster, Pa., 1899.)

Sxily (Coloman de). Sur la variation de la résistivité électrique des métaux et de leurs alliages due à la torsion. (Jour. de Physique théor. & appli. sér. 3, v. 8, pp. 329-332. Paris, 1899.)

Villemontée (G. de). Résistance électrique et fluidité. Paris: Gauthier - Villars [1899?]. 180 pp. 12°. (Encyclopédie scientifique des aide-mémoire. Section de l'ingénieur.)

Willows (R. S.) On the variation of the resistance of certain amalgams with temperature. (Lond., Edinb. & Dub. Philosoph. Maga. & Jour. of Sci. ser. 5, v. 4<sup>c</sup>, pp. 433-456. *London*, 1899.)

**Aubel** (Edm. van). Sur les résistances electriques des métaux purs. pl. (Archives néerlandaises. ser. 2, v. 5, pp. 49-55. *La Haye*, 1900.)

Feldmann (C.), and Herzog (J.) Ueber den Widerstand eiserner Wechselstromleiter. (Elektrotech. Ztsch. Jahrg. 21, pp. 844-847. Berlin, 1900.)

Ganz (Albert F.) Ohm's law applied to the calculation of drop in constant current circuits. (Stevens Inst. Indicator. v. 17, pp. 403-412. Hoboken, 1900.) Resistance, cont'd.

Harrington (W. E.) Cast weld and surface contact bonds. (Jour. Franklin Inst. v. 149, pp. 401-419. *Philadelphia*, 1900.)

Morritt (Ernest). Der Wechselstromwiderstand von Eisendrähten. (Physikalische Ztschr. Jahrg. 1, pp. 261–262. Leipzig, 1900.)

Ottone (G.) Systemi elettro-pneumatici di freni continui. (Atti dell' assoc. elettrotecn. italiana. v. 4, pp. 57-74. *Torino*, 1900.)

Mewes (Rudolf). Die Tesla-Dewar-Flemmingschen Versuche über Widerstandverminderung durch Kälte und deren theoretische Prüfung. (Elektrochem. Ztschr. Jahrg. 7, pp. 210-224. Berlin, 1001.)

Rood (Ogden N.) Experiments on high electrical resistance. (Amer. Jour of Sci. ser. 4, v. 10, pp. 285-294; v. 12, pp. 91-97. New Haven, 1900-01.)

**Simpson** (George C.) On the electrical resistance of bismuth to alternating currents in a strong magnetic field. (Lond., Edinb., & Dub. Philosoph. Maga. ser. 6, v. 2, pp. 300-311. *London*, 1901.)

Wimperis (H. E.) Méthode de détermination de la résistance à la traction. (L'éclair. électr. v. 29, pp. 330-334. *Paris*, 1901.)

Aubel (Edmond van). Sur la résistance électrique des corps peu conducteurs aux très basses températures. (Comptes rendus hebd. d. séances de l'Acad. d. sci. v. 135, pp. 456-457. *Paris*, 1902.)

**Barrett** (W. F.) On the increase of electrical resistivity caused by alloying iron with various elements, and the specific heat of those elements. (Proc. Roy. Soc. v. 69, pp. 480-485. *London*, 1902.)

**Dinwiddie** (W. Walter). A cell for measuring the electrical resistance of liquids. (Phys. Rev. v. 15, pp. 237-238. *Lancaster*, Pa., 1902.)

Erlacher (Georg J.) Ueber die Stromdichte in Widerständen. (Elektrotech. Ztschr. Jahrg. 23, pp. 404-406. *Berlin*, 1902.)

Gott (Arthur E.) Starting resistances. (Jour. Inst. of Electr. Engineers. v. 31, pp. 1219–1230. London, 1902.)

Patterson (J.) On the change of the electrical resistance of metals when placed in a magnetic field. (Lond., Edinb. & Dub. Philosoph. Maga. ser. 6, v. 3, pp. 643-656. London, 1902.)

**Harrison** (E. Philip). On the variation with temperature of the thermo-electromotive force, and of the electric resistance of nickel, iron, and copper, between the temperatures of  $-200^\circ$  and  $+1050^\circ$ . (Lond., Edinb. and Dub. Philosoph. Maga. ser. 6, v. 3, pp. 177–195. *London*, 1902.)

—— (Physical Society of London. Proceedings. v. 18, pp. 57-76. London, 1902.)

**Rood** (Ogden N.) On the electrical resistance of glass, quartz, mica, ebonite and gutta-percha.

(Amer. Journ. of Sci. ser. 4, v. 14 (v. 164), pp. 161-165. New Haven, 1902.)

**Thomson** (J. J.) On the effect of a transverse magnetic field on metallic resistance. (Lond., Edinb. and Dub. Maga. ser. 6, v. 3, pp. 353-356. *London*, 1902.)

Weber (L.), and Roberjot (H.) Nouvelles méthodes pour la mesure de la résistance intérieure des piles. (L'éclair. électr. v. 31, pp. 201-207. Paris, 1902.)

# Transformers and Converters.

**Uppenborn** (F.) History of the transformer: translated from the German. (4) 60 pp., ill. London, New York: E. & F. N. Spon, 1889. 12°.

Fleming (J. A.) The alternate current transformer. London, 1892. 2 v. 8°. (Electrician series.)

Ford (Arthur Hillyer). A complete test of modern American transformers of moderate capacities. (In: University of Wisconsin. Bulletin. Engineering series. *Madison*. 8°. v. 2, no. I, pp. I-88.) 1896.

**General** Electric Company. Use and abuse of transformers. [Schenectady, N. Y.:] Gen. Elect. Co., 1897. 34 pp. 4°.

Feldmann (E. P.) Die elektrischen Transformationsmethoden. (Sammlung elektrotechnischer Vorträge. *Stuttgart*, 1898. 8°. v. 1, pp. 321-350.)

General Electric Company. Transformer design and operation. n. t. p. [Schenectady, N. Y.:] Gen. Elect. Co. [1898]. 38 pp. 4°.

Goldsborough (Winder Elwell). Transformer economy. (Electrical World. New York, 1898. F°. v. 31, pp. 781-784.)

Kapp (Gisbert). Theorie der Umformer. (Elektrotechnische Zeitschr. Berlin, 1898. F°. Jährg. 19, pp. 621-622; 643-644; 655-657.)

Paine (Ellery B.), and Gough (Harry E.) The construction of a 150,000 volt transformer. (Electrical World. New York, 1898. F°. v. 32, pp. 63-65.)

Rochefort (M. O.) Interrupteurs électriques des transformateurs à haute tension pour courants continus. (Mémoires & compte rendu d. trav. de la soc. ingénieurs civils de France. Année 51, v. 2, pp. 496-505. Paris, 1898.)

**Steinmets** (C. P.) The converter. (Electrical World. *New York*, 1898. F°. v. 32, pp. 650-653; 682-683.)

**Thompson** (Silvanus P.) Rotatory converters. (Electrical Engineer. *London*, 1898. F°. (v. 28) n. s., v. 22, pp. 626-629; 685-687; 712-714.)

White (W. F.) Alternating current transformers—from the station manager's viewpoint. (Electrical World. New York, 1898. v. 32, pp. 39-40.)

—— (Electrical Engineer. v. 26, pp. 36; 61-62.)

Transformers, contd.

**Baum** (Frank G.) A new transformer diagram. (Physical Rev. *New York*, 1899. 8°. v. 8, pp. 95-111)

**Bibbins** (J. R.) A new method of determining ratio of transformation. (Electr. World and Engineer. v. 34, pp. 376. New York, 1899.)

Campetti (Adolfo). Sull 'uso dell' alluminio per la trasformazione di correnti alternate in continue. (R. Accad. d. Scienze. Atti, v. 34, pp. 174-181. *Torino*, 1899.)

General Electric Company. Type H oil transformers. [Schenectady,] 1899. I p. l., 5-30 pp., I l. 12°.

Guilbert (C. F.) Machines dynamo électriques. Transformateurs. (Éclair. électrique. v. 19, pp. 46-52; v. 22, pp. 166-171. *Paris*, 1899.)

**Jackson** (D. C.) Inductive loads (arc lamps and motors) on alternating current transformers. (Electrical World. *New York*, 1899. F°. v. 33, pp. 145-146.)

**Parshall** (H. F.), and **Hobart** (H. M.) The design of rotary converters. (Engineering. v. 68, pp. 388-391; 448-449; 450; 517-518; 519; 620-621; 721-723; 783-784; v. 69, pp. 197-198; 241-244; 499-501; 535-536. London, 1899.)

Porkins (J. H.) Transformer testing for central stations. (Wisconsin Engineer. v. 3, pp. 190-197. Madison, Wis., 1899.)

**Pichelmayer** (Karl). Untersuchungen an einem Umformer. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 697-701. *Berlin*, 1899.)

**Robb** (William Lispenard). Rotary transformers and storage batteries as related to long distance transmission. (Electr. Rev. v. 34, pp. 344-345. *New York*, 1899.)

Scott (Ernest Kilburn). High-speed continuous-current transformers. (Elect. Rev. v. 35, pp. 17-18. New York, 1899.)

Steinmetz (Charles Proteus). Der rotierende Umformer. 38 pp. (Samml. Elektrotechnischer Vorträge. v. 2, Heft 1. Stuttgart, 1899.)

**Thompson** (Silvanus P.) Rotary converters. (Jour. Institut. of Electrical Engineers. v. 27, pp. 651-689. *London*, 1899.)

**Volta** (). Les convertisseurs rotatifs. Leur but, leur fonctionnement. (Génie civil. v. 34, pp. 297-300. *Paris*, 1899.)

Wilson (Ernest). A rotary converter. (Jour. Inst. of Electr. Engineers. v. 28, pp. 367-388. London, 1899.)

Buffa (Mario). Trasformazione della corrente alternata in continua. I pl. (Rivista di artiglieria e genio. Annata 17, v. 1, pp. 351-389. Roma, 1000.)

General Electric Company. Core type transformers for three-wire secondary service. Schenectady, N. Y.: Gen. Elect. Co., 1900. 11 pp. 12°.

Goldschmidt (Rudolf). Ueber den Leerlauf von Drehstrom-Transformatoren. (Elektrotech. Ztsch. Jahrg. 21, pp. 991-992. Berlin, 1900.)

Heinke (C.) Ueber Wellenstromerreger. (Annalen der Physik. ser. 4, v. 1 (v. 306), pp. 326-351; 441-461. *Leipzig*, 1900.)

Herrmann (J.) Drehfeldumformer und Drehfeldtransformator. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 60-61. Berlin, 1900.)

Quick (R. W.) The rotary phase converter. (Electr. World and Engineer. v. 35, pp. 14-17.) New York, 1900.)

**Transformers** for Niagara Falls Power Company. (Electr. World and Engineer. v. 35, pp. 227-228. *New York*, 1900.)

Wilson (Ernest). A two-phase rotary converter and a note on the regulation of rotary converters. I pl. (Jour. Inst. of Electr. Engineers. v. 29, pp. 409-435. *London*, 1900.)

**Blondel** (A.) Théorie graphique de la régulation des convertisseurs rotatifs. (L'éclair. électr. v. 29, pp. 206-217; 283-293. *Paris*, 1901.)

**Blondin** (J.) Transformateurs électrolytiques de courants alternatifs en courants continus. Système Pollak. (Bull. Soc. internat. d. électriciens. sér. 2, v. 1, pp. 323-338. *Paris*, 1901.)

**Bragstad** (O. S.) Graphische und experimentelle Bestimmung des Spannungsabfalles in Transformatoren. (Elektrotech. Ztsch. Jahrg. 22, pp. 821–824. *Berlin*, 1901.)

Colles (George W.) Rotary transformers: their history, theory and characteristics. (Jour. Franklin Inst. v. 151, pp. 207-235; 263-282; 341-368; 429-445; v. 152, pp. 12-26. *Philadelphia*, 1901.)

— Same. Separate. 105 pp. 8°.

**Dettmar** (G.) Erläuterungen zu den Normalien zur Prüfung von elektrischen Maschinen und Transformatoren. (Elektrotechnische Ztschr. Jahrg. 22, pp. 499–506. *Berlin*, 1901.)

**Eichberg** (Friedrich). Ueber die Transformatoreigenschaften der Gleichstromarmatur. (Elektrotech. Ztsch. Jahrg. 22, pp. 563-564. *Berlin*, 1901.)

Entwurf zu Normalien zur Prüfung von elektrischen Maschinen und Transformatoren. (Elektrotechnische Ztschr. Jahrg. 22, pp. 477-480. Berlin, 1901.)

Heitmann (E.), and Currie (Wm.) Generators and transformers for the Bay Counties Power Co., California. (Engineering News. v. 46, pp. 382-384. New York, 1901.)

**Kennelly** (A. E.) The reactance drop and reactance factor of transformers. (Electr. World and Engineer. v. 38, pp. 92–94. *New York*, 1901.)

**Kuhlmann** (Karl). Kreisdiagramme für specielle Falle des allgemeinen Transformators. (Elektrotechnische Ztschr. Jahrg. 22, pp. 341-344. *Berlin*, 1901.)

Meyer (Hans Sigismund). Ueber die Berechnung rotirender Umformer. (Elektrotechnische Ztschr. Jahrg. 22, pp. 295–299. Berlin, 1901.)

Mitkiewics (W.) Ein Aluminiumstromrichter für Wechselstrom und seine Anwendung. (Physikal. Ztsch. Jahrg. 2, pp. 747-750. *Leipsig*, 1901.)

Motor generators vs. rotary converters. (Electr. World and Engineer. v. 38, pp. 460-462. New York, 1901.)

Perreau (E.) Étude géométrique du condensateur transformateur. (L'éclair. électr. v. 27, pp. 185-187. *Paris*, 1901.)

Transformers, cont'd.

— Étude géométrique du condensateur transformateur. (Jour. de phys. théor. & appli. sér. 3, v. 10, pp. 332-336. *Paris*, 1901.)

Reyval (J.) Transformateur rotatif de 100 kilowatts de la Compagnie internationale d'électricité de Liège. (L'éclair. electr. v. 27, pp. 403-407. Paris, 1901.)

Rushmore (David B.) The design and action of the rotary converter. (Engineering Maga. v. 22, pp 414-422. New York, 1901.)

Ryan (Harris J.) The transformer for measuring large direct currents. (Sibley Jour. of Mechanical Engineering. v. 15, pp. 351-365. *Ithaca*, 1901.)

**Scholtes** (Ph.) Schaltvorrichtung zur Vermeidung des Leerlaufstromes unbelasteter Transformatoren. (Elektrotechnische Ztschr. Jahrg. 22, pp. 361-363. *Berlin*, 1901.)

Täuber (K. P.) Apparatenanlage in der Centrale und Umformerstation "Pierre de Plan" des Elektricitätswerkes der Stadt Lausanne. (Elektrotech. Ztsch. Jahrg. 22, pp. 825-829. Berlin, 1901.)

Townsend (Fitzhugh). Eddy current losses in transformers. [With discussion.] (Transac. Amer. Inst. Elect. Engineers. v. 17, pp. 319-334. New York, 1901.)

Villard (P.) Transformateur à haut voltage à subvolteur cathodique. (Jour. de phys. théor. & appl. sér. 3, v. 10, pp. 28-32. Paris, 1901.)

**Warrilow** (W. E.) Some up-to-date transformers. (Electr. Engineer. v. 34 (n. s., v. 28), pp. 583-586; 625-627; 654-657. *London*, 1901.)

**Woodhouse** (W. B.) The design of transformers. (Electrician. v. 46, pp. 625-627; 687-689. *London*, 1901.)

**Ballard** (Fred. W.) Testing the efficiency of transformers. (Engineer. v. 39, pp. 631-632. *Cleveland*, 1902.)

**Braun** (Rudolf). Wesen und Bedeutung der Drehumformer. (Schillings Jour. f. Gasbeleuchtung u. Wasserversorgung. Jahrg. 45, pp. 72-76. *München*, 1902.)

**Dettmar** (G.) Erläuterungen zu den Aenderungen und Ergänzungen der Normalien für elektrische Maschinen und Transformatoren. (Electrotechn. Ztschr. Jahrg. 23, pp. 489-491. *Berlin*, 1902.)

**Drude** (P.) Zur Construction von Teslatransformatoren. Schwingungsdauer und Selbstinduction von Drahtspulen. r pl. (Annalen d. Physik. ser. 4, v. 9, pp. 293-339. *Leipsig*, 1902.)

König (Emil). Beiträge zu dem Problem der elektrochemischen Umformung von Wechselstrom in Gleichstrom durch Aluminiumelektrolytzellen. (Elektrotechn. Ztschr. Jahrg. 23, pp. 474-476. Berlin, 1902.)

Rushmore (David B.) The operation of the rotary converter. (Engineering Maga. v. 22, pp. 538-552. New York, 1902.)

**Schmidt** (J.) Der Hochspannungs-Fernschalter und seine Verwendung. (Elektrotechn. Ztschr. Jahrg. 23, pp. 513-515; 539-543. *Berlin*, 1902.)

Schuchardt (R. F.) Transformer testing by central station companies. (Electr. World and Engineer. v. 39, pp. 855-858. New York, 1902.)

Seidner (M.) The synchronous converter as voltage controller. (Electr. World and Engineer. v. 39, pp. 761-763; 814-815. New York, 1902.)

Vincent (A.) Nouveau convertisseur universel de M. Maurice Leblanc. (L'éclair électr. v. 30, pp. 29-38; 55-61. Paris, 1902.)

**Ziehl** (Emil). Verminderung der Erdströme bei mit Wechselstrom betriebenen Ueberlandbahnen mit Schienenrückleitung. (Elektrotechn. Ztschr. Jahrg. 23, pp. 145–147. Berlin, 1902.) Alternating Currents.

Westinghouse Electric Co. (The) Pittsburg, Pa. The alternating system. [New York: E. D. Slater.] 1888. 64 pp. obl. f°.

Blakesley (T. H.) Papers on alternating currents of electricity . . . 2 ed. London, 1889. 12°. (Specialists' series.)

**Kapp** (G.) Alternate-current machinery. *New York*, 1899. 24°. (Van Nostrand science series. no. 66.)

**Bedell** (F.), and **Crehore** (A. C.) Alternating currents; an analytical and graphical treatment for students and engineers. New York, 1893. 8°.

**Bedell** (F.), **Miller** (K. B.), and **Wagner** (G. F.) Irregularities in alternate-current curves. n. p., 1893. pm. 8°.

**Kapp** (G.) Alternating currents of electricity; their generation, measurement, distribution and application, with an introduction by W. Stanley, jr. *New York*, 1893. 16°.

**Loppe** (F.), and **Bouquet** (R.) Traité theorique et pratique des courants alternatifs industriels. Ouvrage en 2 volumes. *Paris: E. Bernard & Co.*, 1894–96. obl 8°.

Forbes (G.) Alternating and interrupted electric currents; being based upon three lectures delivered to the members of the Royal Institution. 98, III pp. ill. London: Biggs & Co. [1896.] 12°.

Hay (Alfred). The principles of alternatecurrent working. London: Biggs & Co. [1897.] xi, 1 l., 276, ii, iv. pp. 12°.

Loppé (F.) Les transformateurs de tension à courants alternatifs. 206 pp., 1 l. Paris: Mason et Cie. [1897.] 12°. (Encycl. scient. des aidemémoire. Sect. de l'ing.)

Maycock (W. P.) The alternating-current circuit. An introductory and non-mathematical book for engineers and students. London: Whittaker & Co., 1897. viii, 102 pp. 12°.

Ruehlmann(R.) Grundzüge der Wechselstrom-Technik. Eine gemeinfassliche Darstellung der Grundlagen der Elektrotechnik der Wechsel und Mehrphasenströme für Ingenieure, Architekten [etc.]... Zugleich Ergänzungsband zu: Grundzüge der Electrotechnik der Starkstrome. Leipzig: O. Leiner, 1897. viii, 359 pp., 1 diagr., 8°.

Tuma (Josef). Ein Phasenmessapparat für Wechselströme. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 106, pt. 2a, pp. 521-525. Wien, 1897.)

Continuation of an earlier article.

Alternating Currents, cont'd.

Davis (Charles Henry), and Forbes (Howard C.) The application of alternating currents to electric traction. (Engineering Maga. New York, 1898. 4°. v. 15, pp. 811-822.)

**Feldmann** (C. P.) Zur Benennung der charakteristischen Grössen des Wechselstromkreises. (Elektrotechnische Zeitschr. Berlin, 1898. v. 19, pp. 698-700.)

Hanappe (S.) Résumé de la methode graphique pour l'étude des courants alternatifs: application aux machines à courants alternatifs. (Rev. Universelle d. Mines; de la Métallurgie d. trav. pub. d. sci. et d. Arts appliqués a l'industrie. v. 44. pp. 127–187; v. 45, pp. 73–114; 137–198; v. 46, pp. 243–272. Liège, 1898–99.)

**Kinsley** (Carl). Determination of the frequency of alternating currents. *I illus*. (Philos. mag. and jour. of science. ser. 5, v. 45, pp. 339–347. *London*, 1898.)

Rossi (Andrea Giulio). Su talune proprietà di un sistema di due correnti alternative difasate qualunque, ed applicazione ad un apparecchio di misura e ad un motore a campo Ferraris. (R. accad. d. scienze. Atti, v. 33, pp. 647-658. Torino, 1898.)

Still (A.) Alternating currents of electricity and the theory of transformers.. London: Whittaker & Co, 1898. viii, 184 pp. 12°. (Specialist's Series.)

Wippermann (Emerich). Über Wechselstrodenven bei Anwendung von Aldminiumelektroden. Illus. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 107, pt. 2a, pp. 839–847. Wien, 1898.)

Boulanger (J.) Théorie et applications des courants alternatifs. (Rev. du génie militaire. v. 17, pp. 513-534; v. 18, pp. 51-79; 231-249. Paris, 1899.)

Ebert (Hermann). Die in Entladungsröhren umgesetzten Werthe an elektrischer Wechselstromenergie. (Annalen d. Physik u. Chemie. n. s., v. 67, pp. 608-629. Leipzig, 1899.)

Feldmann (Clarence P.), and Herzog (Josef). Ueber Stromvertheilung in Wechselstromnetzen. (Elektrotechnische. Zeitschr. Jahrg. 20, pp. 780-783. Berlin, 1899.)

**Heinke** (C.) Ueber Auffassung und Darstellung der Vorgänge im Wechselstromtransformator. (Elektrotechnische Zeitschr. *Berlin*, 1899. f°. v. 20, pp. 175-178; 191-192; 205-205.)

**Kapp** (Gisbert). Ueber Kabeldurchschläge. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 896-900. *Berlin*, 1899.)

**Kinsley** (Carl). A method of measuring the frequency of alternating currents. (Physical Rev. v. 8, pp. 244-249. *Lancaster*, Pa., 1899.)

Merritt (Ernest). The resistance offered by iron wires to alternating currents. (Physical Rev. v. 9, pp. 294-299. Lancaster, Pa., 1899.)

**Smith** (Harrison Willard). On a method of measuring the frequency of alternating currents. *Illus*. (Technology quarterly, v. 12, pp. 180-183. *Boston*, 1899.)

Steinmets (Charles Proteus). Symbolische Darstellung doppelperiodischer Vektorprodukte

und allgemeiner Wechselstromwellen. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 882-885; 900-903. Berlin, 1899.)

**Berg** (E. J.) Compensation of line drop in alternating current circuit. (Electr. World and Engineer. v. 35, pp. 60-63. *New York*, 1900.)

Breisig (F.) Die graphische Darstellung des Verlaufes von Wechselströmen längs langer Leitungen. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 87-92. Berlin, 1900.)

**Breisig** (F.) Réprésentation graphique des courants alternatifs parcourant une longue canalisation. (L'éclairage électr. v. 25, pp. 156-160. *Paris*, 1900.)

**Brisse** (E.) Réprésentation graphique des variables efficaces des courants alternatifs en fonction des courbes périodiques. (L'éclair. électr. v. 25, pp. 488-492. *Paris*, 1900.)

Des Coudres (Th.) Eine direkte Methode für Wechselstromanalyse. (Elektrotech. Ztsch. Jahrg. 51, pp. 752-755; 770-772. Berlin, 1900.)

**Fischer-Hinnen** (J.) Elektrische Bremsen für Wechselströme. (Elektrotech. Ztsch. Jahrg. 21, pp. 767-770. *Berlin*, 1900.)

Grassi (Guido). Sulla misura della dispersione magnetica nei trasformatori a corrente alternata. (Atti dell' assoc. elettrotecn. italiana. v. 4, pp. 191-201. Torino, 1900.)

Hopps (B.) The so-called "skin effect" or the increased resistance of iron wires to alternating currents. (Electrician. v. 45, pp. 920. *London*, 1900.)

Jackson (Dugald C.) Fundamental ideas of alternating currents. (Electr. World and Engineer. v. 35, pp. 399-400. New York, 1900.)

—— (Sci. and Industry. v. 5. pp. 271-278. Scranton, Pa., 1900.)

Methodes approchées pour la solution de quelques problèmes sur les courants alternatifs. (L'éclairage électr. v. 25, pp. 76-83. Paris, 1900.)

**Poole** (Cecil P.) The drop in alternating-current wires. (Electr. World and Engineer. v. 35, pp. 285-287. New York, 1900.)

Ritter (Wilhelm). Anordnungen zur Erkennung und Ausgleichung der Periodendisserenz zweier Wechselstromkreise. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 7-40. Berlin, 1900.)

**Townsend** (Fitzhugh). Alternating current laboratory experiments and commercial tests. (School of Mines Quar. v. 5, pp. 16-64. Boston, 1900.)

Barbillion (L.) Production et emploi des courants alternatifs. [Paris: G. Carré & C. Naud,] 1901. 103 pp. 12°. (Scientia... Série physico-mathématique, no 11.)

Campbell (Albert). On test-room methods of alternate current measurement. (Jour. Inst. of Electr. Engineers. v. 30, pp. 889-907. London, 1901.)

Carrier (Willis H.) The impulse transformer method of demonstrating the wave form of alternating currents. (Sibley Jour. of Engineering. v. 16, pp. 21-27. *Ithaca*, 1901.)

Alternating Currents, cont'd.

Corbino (O. M.) Correnti rapidamente variabili nei circuiti derivati. (Atti dell' assoc. elettrotecn. italiana. v. 5, pp. 49-56. *Torino*, 1901.)

Franke (Rudolf). Der Kurven-Indikator zur Bestimmung des zeitlichen Verlaufs von Wechselstromkurven und anderer periodischer elektrischer Vorgänge. (Ztschr. f. Instrumentenkunde. Jahrg. 21, pp. 11-20. Berlin, 1901.)

Grassi (Guido). Su alcune proprietà delle correnti alternate. (La rivista tecnica. Anno I, pp. 145-157. *Torino*, 1901.)

Hanappe (S.) Application de la méthode graphique pour l'étude des courants alternatifs à quelques cas spéciaux de résonance—Rupture de l'isolant des câbles armés. (Rev. univers. d. mines, de la métallurgie. v. 55, pp. 306-353. Liège, 1001.)

Manzetti (R.) Di un nuovo instrumento per la misura della frequenza delle correnti alternate. *Illus*. (R. accad. d. Lincei. Rendic. classe d. sci. fis. ser. 5, v. 10, pt. 1, pp. 157-163. *Roma*, 1901.)

Mordey (W. M.) Capacity in alternate current working. [Discussion.] I pl. (Jour. Inst. of Electr. Engineers. v. 30, pp. 364-391. London, 1001.)

— (Electrician. v. 46, pp. 467-469; 510-513. London, 1901.)

—— (Engineering. v. 71, pp. 93-94; 125-126. London, 1901.)

Reyval (J.) Le matériel à courants alternatifs des ateliers du Creusot. (L'éclair. électr. v. 27, pp. 121-129. Paris, 1901.)

Schenkel (M.) Geometrische Oerter an Wechselstromdiagrammen. (Elektrotechn. Ztschr. Jahrg. 22, pp. 1043-1045. *Berlin*, 1901.)

**Simple** lessons in alternating currents. (Sci. and Industry. v. 6, pp. 225-228; 311-316; 351-356; 402-405; 458-462; 569-573; v. 7, pp. 12-15; 68-74. Scranton, Pa., 1901-'02.)

**Townsend** (Fitzhugh). A new method of tracing alternating current curves. [With discussion.] (Transac. Amer. Inst. of Electr. Engineers. v. 17, pp. 5-23. New York, 1901.)

Weber (Robert). Zur Sichtbarmachung der Deformation von Wechselströmen. (Annalen d. Physik. ser. 4, v. 6, pp. 565-569. *Leipzig*, 1901.)

Andriessen (H.) Ladungsströme bei Wechselstrom. (Annalen d. Physik. ser. 4, v. 7, pp. 369-389. *Leipzig*, 1902.)

Arnò (Riccardo). Sistema perfezionato di contatore di energia elettrica per sistemi a corrente alternativa. (Atti dell'assoc. elettrotecn. italiana. v. 5, pp. 379-384. *Torino*, 1901.)

**Crook** (Zeno E.) Demagnetizing effects of electromagnetically compensated alternating currents. (Amer. jour. of sci. ser. 4, v. 14, (v. 164) pp. 133-146. *New Haven*, 1902.)

Franchetti (A.) Proprietà di alcuni voltametri ad elettrodi di alluminio sottoposti a correnti alternate. (La rivista tecnica. anno 1, pp. 425-430. *Torino*, 1901.)

Capacità di polarizzazione e dissipazi one di energia di alcuni voltametri sottoposti a correnti alternate, I pl. (La rivista tecnica. anno I, pp. 677-700. Torino, 1902.)

Gerschun (Al.) Über gleichgerichteten Wechselstrom. (Physikal. Ztschr. Jahrg. 3, pp. 249–254. Leipsig, 1902.)

Marcher (Thomas). Experimentelle Untersuchungen auf dem Wechselstromgebiete. (Samml. elektrotechnischer Vorträge. v. 3, (Heft 7) pp. 241-270. Stuttgart, 1902.)

Riccia (A. della). Sur l'action des courants d'échange entre alternateurs en parallèles. (L'éclair. électr. v. 30, pp. 413-419. Paris, 1902.)

Rossi (A. G.) Studio teorico di una coppia di circuiti induttivi in parallelo su corrente alternativa. (La rivista tecnica. Anno 2, pp. 21-32; 143-161; 193-209; 303-313. *Torino*, 1902.)

**Simple** lessons in alternating currents. (Science and Industry. v. 6, pp. 225-228; 311-316; 351-356; 402-405; 458-462; 569-573; v. 7, pp. 12-15; 68-74. Scranton, Pa., 1901-'02.)

Stanley (William). The beginnings of alternating-current engineering. (Electr. Rev. v. 40, pp. 223-226. New York, 1902.)

## Continuous Currents.

**Proposto** (C. del). Spannungsregulirung in Dreileiternetzen für Gleichstrom. (Elektrotechnische Zeitschr. Berlin, 1898: F°. Jahrg. 19, pp. 825–826.)

**Koch** (Franz). Ueber ein neues System der Entnahme von Gleichstrom aus Wechselstromnetzen. (Elektrotechnische Ztschr. Jahrg. 22, pp. 853–854. *Berlin*, 1901.)

Ruehlmann (Richard). Grundzüge der Gleichstrom-Technik . . . Leipzig : O. Leiner, 1901. xiv, il., 626 pp. 2. ed. 8°.

Rothert (Alexandre). Perfectionnements aux enroulements à courant continu. (L'éclairage électr. v. 26, pp. 467-473. Paris, 1901.)

## Convection Currents.

Zeleny (John). On convection currents and on the fall of potential at the electrodes in conduction produced by Röntgen rays. (Physical Rev. v. 8, pp. 161-173. Lancaster, Pa., 1899.)

**Bénad** (Henri). Étude expérimentale des courants de convection dans une nappe liquide. Régime permanent: tourbillons cellulaires. (Jour. de physique théor. & appli. sér. 3, v. 9, pp. 513–524. *Paris.* 1900.)

**Crémieu** (V.) Convection électrique et courants ouverts. (Jour. de phys. théor. & appli. sér. 3, v. 10, pp. 453-471 *Paris*, 1901.)

— Répétition des expériences de M. Rouland, relatives à la "convection électrique." (Annales de chimie & de physique. sér. 7, v. 24, pp. 299-320. *Paris*, 1901.)

**Pender** (Harold). On the magnetic effect of electrical convection. (Phys. Rev. v. 13, pp. 203-233. *Lancaster*, Pa., 1901.)

Schuster (Arthur). On electric inertia and the inertia of electric convection. (Lond., Edinb. and Dublin Maga. and Jour. of Sci. v. 51, (ser. 6, v. 1), pp. 227-238. London, 1901.)

#### Earth Currents.

See also, below, Earth Currents; and Electrolysis by Earth Currents.

Schultze (Rudolf). \*Ueber unpolarisierbare Erdplatten. . . . Halle a S.: Buchdruck. d. Waisenhauses, 1898. 48 pp. 8°.

Wedmore (E. Basil). Earth currents derived from distributing systems. [Discussion] (Jour. Inst. of Electr. Engineers. v. 31, pp. 576-610. London, 1902.)

#### Foucault Currents.

Klemencie (Ignaz.) Über die Wärmeentwicklung durch Foucault'sche Ströme bei sehr schnellen Schwingungen. Illus. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 108, pt. 2a, pp 568-576. Wien, 1899.)

### High Potential Currents.

**Tesla** (N.) Experiments with alternate currents of high potential and high frequency; a lecture. . . . New York, 1892. 16°.

Spies ([L. E.] P.) \*Üeber die Wärmewirkung des ungeschlossenen Hochfrequenzstromes. [Kiel.] Berlin: W. Gronau, 1896. 2 p.l., 46 pp., 1 l. 8°.

**Dulong** (J.) Expériences avec les courants de haute fréquence. (La nature. *Paris*, 1898. 4°. Année 20, Sém. 2, pp. 313-314.)

Laffarque (J.) Appareil à grande tension et à haute fréquence: production d'effluves; expériences faites au centenaire du Conservatoire des arts et métiers. (Nature. *Paris*, 1898. 4°. Année 26, pp. 103-106.)

Abraham (H.) Sur la décomposition d'un courant à haut potentiel en une série de decharges disruptives. (Jour. de physique théorique et appliquée. Sér. 3, v. 8, pp. 366-373. Paris, 1899.)

Ebert (H.) Glimmlichterscheinungen bei hochfrequentem Wechselstrome. (Annalen d. Physik u. Chemie. n.s., v. 69, pp. 372-397. *Leipzig*, 1899.)

Kowales (Peter v.) Ableitungsschraubklemme für Hochspannungsleitungen. (Elektrotechnische Zeitschr. Jahrg. 20, p. 249. *Berlin*, 1800.)

**Tesla** (Nikola). Some experiments in Tesla's laboratory with currents of high potential and high frequency. (Electrical Rev. v. 34, pp. 193-197; 204. New York, 1899.)

**Bertram** (H. A.) Ueber moderne Hochspannungsapparate. (Elektrotechnische Ztschr. Jahrg. 21, pp. 667-675. *Berlin*, 1900)

Friese (Rob. M.) Die Weltausstellung in Paris, 1900. Die Starkstromtechnik. (Ztschr. d. Vereines deut. Ingen. v. 44, pp. 901-905; 1599-1606; v. 45; pp. 437-444; 516-520; 1087-1095; 1849-1857; v. 46, pp. 115-123; 493-501; 557-568. Berlin, 1900-'02.)

Rückblick (Ein) auf die Entwickelung der Starkstromelektrotechnik innerhalb der letzten drei Jahre. (Dingler's polytech. Jour. Jahrg. 81, v. 315. pp. 709-714; 731-737. Stuttgart, 1900.)

Abbott (Arthur V.) Electrical oscillations of high frequency. (Jour. Western Soc. of Engineers. v. 6, pp. 385-401. Chicago, 1901.)

Schnetzler (K. ) Über die Grenzen der Hochspannung bei elektrotechischen Anlagen. (Schilling's Jour. f. Gasbeleuchtung. Jahrg. 44, pp. 250-254. München, 1901.)

Semenza (Guido). Perfezionamenti alle valvole per alta tensione. (Atti dell' assoc. elettrotecnica italiana. v. 5, pp. 163-181. Torino, 1901.)

Simon (C.) Sur l'établissement des lignes à courant alternatif à haute intensité. (Cong. internat. de l'acétylène. 3d. 1900. Rapports, etc. pp. 177-185. *Paris*, 1901.)

Steinmets (Charles P.) Theoretical investigation of some oscillations of extremely high potential in alternating high potential transmissions. (Electr. Rev. v. 39. pp. 449-450; 477-480; 505-506. New York, 1901.)

**Nies** (J. D.) Grounding of high potential systems. (Electr. World and Engineer. v. 39, pp. 639-642. *New York*, 1902.)

Rosenberg (E. ) Elektrische Starkstrom-Technik. . . . Leipsig : O. Leiner, 1902. vii, 296 pp., 5 pl. 8°.

## Polyphase Currents.

Hospitalier (E.) Polyphased alternating currents. [With Appendix A.: The Lauffen-Frankfort transmission, and Appendix B.: Multiphase transmission and distribution of electric energy, by A. Reckenzaun.] London: H. Alabaster, Gatehouse & Co. [189—?] 2 pl., 84 pp. 8°.

Rodet (J.), and Busquet (). Les courants polyphasés. Paris, 1893. 8°.

Scott (Charles F.) Polyphase transmission. [A paper read. . . March I, 1894. . . .] Buffalo: Matthews-Northrup Co. [1894?] 2 p. l., 24 pp. 8°. (Westinghouse Electric & Mfg. Co., catalogue, No. 227.)

**Thompson** (S. P.) Polyphase electric currents and alternate current motors. *London*, 1895. 8°. (Finsbury techn. man.)

Rodet (J.) Distribution de l'energie par courants polyphasés. Paris: Gauthier-Villars 1898. I l., viii, 338 pp., 3 l. 8°.

Arnò (Riccardo). Alcune considerazioni sulla trasformazione dei sistemi trifasi in bifasi. (Atti dell'assoc. elettrotecn. italiana. v. 4, pp. 5-7. Torino, 1900.)

Gin (G.) Note pour servir au calcul des transmissions d'énergie par courants triphasés. (Bull. tech. 1900, pp. 453-464. *Paris*, 1900.)

Guye (C. E.) Les courants de capacité dans les lignes polyphasées symétriques et leur représentation graphique. (L'Éclairage électrique. v. 23, pp. 408-415. Paris, 1900.)

Karapetoff (Wlad.) Ueber mehrphasige Stromsysteme bei ungleichmässiger Belastung. (Samml. Elektrotechnischer Vorträge. v. 2, pp. 235–330. Stuttgart, 1900.)

**Potier** (A.) Sur les courants polyphasés. (Congrès internat. de physique. 1900. Rapports. v. 3, pp. 197-263. *Paris*, 1900.)

Arno (Riccardo). Sull' impiego del Wattometrofasometro per sistemi trifasi ad alta tensione. (Atti dell' assoc. elettrotecn. ital. v. 5, pp. 385-388. Torino, 1901.) Polyphase Currents, cont d.

**Eborall** (A. C.) Polyphase electric working. (Jour. Soc. of Arts. v. 49, pp. 749-757; 761-768; 773-782; 785-792; 797-808; 809-818; 821-831; 833-844. *London*, 1901.)

Galmossi (Italo). Sur le traction électrique par courants polyphasés. (L'éclair. electr. v. 26, pp. 473-480. Paris, 1901.)

Latour (Marius). Sur la non-existence de la supériorité signalée des courants triphasés dans les transports d'énergie. (L'éclair. électr. v. 26, pp. 250-252. *Paris*, 1901.)

Morton (W. B. ) On the propagation of polyphase currents along a number of parallel wires. (Lond., Edinb. and Dub. Philosoph. Maga. and Jour. of Sci. ser. 6, v. 1, pp. 563-571. London, 1901.)

**Teichmüller** (J.) Canalisations élastiques à courants triphasés. (L'éclair. électr. v. 30, pp. 203-212; 238-246. Paris, 1902.)

## Vagrant Currents.

See, also, below, Electrolysis by Earth Currents; and, above, Earth Currents.

Mascart (Eleuthère Élie Nicolas.) Perturbations magnétiques produits par les tramways électriques à l'observatoire de Nice. (Archives néerlandaises, sér. 2, v. 6, pp. 550-554. La Haye, 1901.)

Larsen (Absalon), and Faber (S. A.) Messungen von vagabundierenden Strömen in Gas- und Wasserröhren. (Schilling's Jour. f. Gasbeleuchtung. Jahrg. 45, pp. 231-233. München, 1902.)

#### ELECTRONS.

Larmor (J.) On the Theory of Moving Electrons and Electric Charges. (Phys. Soc. of Lond. Proc.) Vol. xiv., p. 303.

**Drude** (P.) Zur Elektronentheorie der Metalle. (Annalen der Physik. ser. 4, v. 1, pp. 566-613; v. 3, pp. 369-402. *Leipzig*, 1900.)

Kaufmann (Walter). Über die Schwingungsamplitude der Elektronen. (Archives neerlandaises. ser. 2, v. 5, pp. 148-151. La Haye, 1900.)

———— (Physikalische Zeitschrift. Jahrgang 2, pp. 283-284. Leipzig, 1901.)

**Larmor** (Joseph). On the dynamics of a system of electrons or ions: and on the influence of a magnetic field on optical phenomena. (Cambridge philos. soc. Trans. v. 18, pp. 380-407. *Cambridge*, 1900.)

**Lieben** (Robert v.) Zur Frage nach dem Gewichte der Elektrons. (Physikalische Zeitschr. Jahrg. 1, pp. 237-238. Göttingen, 1900.)

Orr (W. McF.) Considerations regarding the theory of electrons. (London, Edinburgh and Dublin Philosoph. Maga. ser. 5, v. 50, pp. 269-278. London, 1900.)

Wind (C. H. ) Ueber das Feld langsam bewegter Electronen. (Archives néerlandaises, ser. 2, v. 5, pp. 609-635. La Haye, 1900.)

Everdingen (E. van), jr. Quelques remarques sur l'application de la théorie des electrons à l'augmentation de la résistance électrique dans un champ magnétique et au phénomène de Hall. (Archives néerlandaises, ser. 2, v. 6, pp. 294-302. La Haye, 1901.)

**Kaufmann** (W.) Die Entwickelung des Elektronenbegriffes. (Naturwissensch. Rundschau. Jahrg. 16, pp. 557-559; 569-571. *Braunschweig*, 1901.)

Abraham (M.) Dynamik des Electrons. (Nachrich. v. d. kön. Gesellsch. d. Wissensch. zu Göttingen. Math.-phys. Klasse. 1902, Heft 1, pp. 20-41. Göttingen, 1902.)

Fleming (J. A.) The electronic theory of electricity. (Pop. Sci. Monthly. v. 61, pp. 5-23. New York, 1902.)

Crookes (Sir William). Radio-activity and the electron theory. (Proc. Roy. Soc. v. 69, pp. 413-422. London, 1902.)

**Heaviside** (Oliver). Note on the size and inertia of elektrons. (Electrician. v. 48, p. 945. *London*, 1902.)

Voigt (W.) Electronenhypothese und Theorie des magnetismus. (Nachrichten v. d. Königl. Gesellschaft d. Wissenschaften zu Göttingen. Mathematphysikal. Klasse. 1901, pp. 169-200. Göttingen, 1902.)

Wien (W.) Ueber die Natur der positiven Elektronen. (Annalen d. Physik. ser. 4, v. 9, pp. 660-664. *Leipsig*, 1902.)

#### Insulation.

Gray (Thomas). The dielectric strength of insulating materials. (Physical Rev. New York, 1898. 8°. v. 7, pp. 199-209.)

Letheule (E.) Influence de l'échauffement et de l'humidité sur la résistance ohmique des isolants. (L'éclairage électrique. *Paris*, 1898. 8°. v. 17, pp. 439-442.)

**Kallmann** (M.) Isolationscontrolsystem zur directen Anzeige von Stromentweichungen. (Schilling's Jour. f Gasbeleuchtung u. Wasserversorgung. *München*, 1899. F°. Jahrg. 42, pp. 97-99; 111-114.)

Schirner (Ad.) Ein neues Sicherungsmaterial der Allegemeinen Elektricitäts-Gesellschaft. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 575-579. Berlin, 1899.)

Wills (A. P.) On the magnetic shielding effect of trilamellar spherical and cylindrical shells. (Physical Rev. v. 9, pp. 193-213. Lancaster, Pa., 1899.)

Feldmann (C.), and Herzog (J.) Ueber die Schirmwirkung von Eisenröhren. (Elektrotechnische Ztschr. Jahrg. 21, pp. 861-863. Berlin, 1900.)

India-rubber in insulation work. (India Rubber World. v. 21, pp. 150-151. New York, 1000.)

"Armacell" insulating varnish. (Electrical Engineer. v. 33 (n. s., v. 27), pp. 190-191. London, 1901.)

**Charpentier** (P.) Recherche des défauts et controle de l'isolement sur les réseaux électriques. (L'éclairage électr. v. 29, pp. 196-205. *Paris*, 1901.)

Janet (P.) Essais de laboratoire sur la qualité isolante des gants d'électriciens. (Bull. de la soc. internat. d'électriciens. sér. 2, v. 1, pp. 185-187. Paris, 1901.) Insulation, cont'd.

Conduit (Le) en asphalte "Howard." (Rev. tech. v. 23, pp. 89-90. Paris, 1902.)

O'Gorman (Mervyn). Insulation on cables. (Jour. of the Inst. of Electr. Engineers . . . v. 30, pp. 608-683. London, 1901.)

Charpentier (P.) Notes sur les essais d'isolement. (L'éclair. électr. v. 30, pp. 229-238. Paris, 1902.)

**Pomey** (J. B.) Mesure des résistances d'isolement des fils de trôlet. (L'éclairage électr. v. 31, pp. 5-7. *Paris*, 1902.)

**Scott-Moncrieff** (K. A.) The insulation of conductors of electricity in India. (Jour. Inst. of Electr. Engineers. v. 31, pp. 371-379. *London*, 1902.)

**Skinner** (Charles Edward). Energy loss in commercial insulating materials when subjected to high potential stress. (Transac. Amer. Inst. of Electr. Engineers. v. 19, pp. 689-704. *New York*, 1002.)

Williamson (R. B.) Transformer protective devices. (Sci. and Industry. v. 7, pp. 177-181. Scranton, Pa., 1902.)

#### LEAKAGE.

**Barton** (Edwin Henry). Attenuation of electric waves along a line of negligible leakage. 2 illus. (Philos. mag. and jour. of science, ser. 5, v. 46, pp. 296-305. London, 1898.)

—— —— (Physical Society of London, Proceedings. v. 16, pp. 210-229. London, 1899.)

**Kelvin** (W. Thompson), baron, and **Maclean** (Magnus). Leakage from electrified metal plates and points placed above and below uninsulated flames. (Proc. of Roy. Soc. of Edinburgh. Edinburgh, 1898. 8°. v. 22, pp. 38-46.)

Beattie (J. C.) Leakage of electricity from charged bodies at moderate temperatures. (Lond., Edinb. and Dublin Philosoph. Maga. and Jour. of Sci. ser. 5, v. 48, pp. 97-106; ser. 6, v. 1, pp. 442-454. London, 1899-1901.)

Abraham (A. J.) The earthing of the middle conductor. (Electrical Rev. v. 51, pp. 291. London, 1902.)

Leakage (The) of current from buried bare conductors. (Electr. Rev. v. 50, pp. 248-250. New York, 1902.)

**Skinner** (Charles Edward). Energy loss in commercial insulating materials when subjected to high potential stress. (Transac. Amer. Inst. of Electr. Engineers. v. 19, pp. 689-704. New York, 1902.)

### MEASUREMENT.

Weber (W. E.) Elektrodynamische Maassbestimmungen. (Fuerst. Jabl. Gesellsch. Abh. bei Begründ. il. Leipzig, 1846.)

— Elektrodynamische Maassbestimmungen. Leipzig, 1850. 8°.

**Secchi** (Angelo). Researches on electrical rheometry. (In Smithsonian Inst. Contr., v. 3. 1852.) pl.

**British** Association for the Advancement of Science. Reports of the committee on electrical standards... with a report to the Royal Society

on Units of electrical resistance, and the Cantor lectures, by Prof. Jenkin, edited by F. Jenkin. London: E. & F. N. Spon, 1873. 2 l., 248 pp., 7 pl., 2 tab. 8°.

**Day** (R. E.) Exercises in electrical and magnetic measurement, with answers. *London*, 1876.

Foster (C.) Electrical measurements, (In: Sci. lect. at S. Kensington, v. 1. 1878.)

Blavier (Édouard Ernest). Des grandeurs électriques et de leur mesure en unités absolues. Paris: Dounod, 1881. 2 p. l., 588 pp., 1 pl. 8°.

France. Affaires Étrangères, Ministère des. Conférence internationale pour la détermination des unités électriques, 1882. Paris: Imp. Nat., 1882. 1 p.l., 163 pp. 1°.

— Same. Second session, 1884. Paris, 1884. 121 pp. f°.

Kohlrausch (F.) Das elektrische und magnetische absolute Mass-System. pp. 302-326. (In his: Leitfaden der praktischen Physik. Leipsig, 1884. 8°.)

Gray (Andrew). Theory and practice of absolute measurements in electricity and magnetism. London, 1888-'93. 2 v. in 3. 12°.

**Heydweiller** (A.) Huelfsbuch fuer die Ausfuehrung elektrischen Messungen. *Leipsig*, 1892. 8°.

**Dorn** (E.) Vorschläge zu gesetzlichen Bestimmungen über elektrische Maasseinheiten . . . 86 pp., 3 tables. Berlin: J. Springer, 1893. 4°.

**Naber** (H. A.) Standard methods in physics and electricity criticised, and a test for electric meters proposed. *London: G. Tucker*, 1894. 114 pp. 8°.

**Price** (W. A.) A treatise on the measurement of electrical resistance. *Oxford*, 1894. 8°.

**National** Academy of Sciences. Standards for electrical measure. Feb. 20, 1895. Washington, 1895. 8°.

Campbell (Albert). On the measurement of very large and very small Alternating Currents. (Phys. Soc. of Lond. Proc. Vol. xiv., p. 279)

Gerard (E.) Mesures électriques. Leçons professées à l'Institut électrotechnique Montehore annexé à l'Université de Liège ... Paris: Gauthier-Villars & Fils, 1896. vii, 457 pp. 8°.

Crapper (Ellis H.) Practical electrical measurements. An introductory manual for young engineers and students. xii, 125 pp. ill. London: Whittaker & Co., 1897. 12°.

Heinke (C.) Wechselstrommessungen und magnetische Messungen. Leipzig: S. Hirzel, 1897. xxiii, 300 pp. 8°. (Elektrotechnisches Praktikum. 2. Theil.)

Armagnat (H.) Instruments et méthodes de mesures électriques industrielles. Paris: G. Carré et C. Naud, 1898. 2 p. l., ii, 586 pp., 1 l. 8°.

Ayrton (W. E.), and Jones (J. Viriamu). On a determination of the Ohm made in testing the Lorenz apparatus of the McGill University, Montreal. (Brit. Asso. for the Advancement of Sci. Report of the 67. meeting. London, 1898. 8°. pp. 212-218.)

Measurement, cont'd.

**Blondlot** (R.) Sur la mesure directe d'une quantité d'électricité en unités électro-magnétiques; application à la construction d'un compteur absolu d'électricité. (Jour. de Physique. *Paris*, 1898. 8°. sér. 3, v. 7, pp. 569-573.)

**Hummel** (G.) Ueber Motorelektrizitätszähler. (Sammlung elektrotechnischer Vorträge. *Stuttgart*, 1898. 8°. v. 1, pp. 351-366.)

**Kallmann** (M.) Isolationskontrollsystem zur direkten Anzeige von Stromentweichungen. (Elektrotechnische Zeitschr. *Berlin*, 1898. F°. v. 19, pp. 683-686; 700-702.)

**King** (R. O.) An absolute measurement of the Thomson effect in copper. *Illus*. (Amer. acad. of arts and sciences. Proc. v. 33, p. 351-379. *Boston*, 1898.)

**Peukert** (W.) Ueber die Messung hoher elektrischer Spannungen. (Elektrotechnische Zeitschr. Berlin, 1898. F°. v. 19, pp. 657-658.)

**Rowland** (Henry A.) Electrical measurement by alternating currents. *Plate.* (Philos. mag. and jour. of science. ser. 5, v. 45, pp. 66-85. *London*, 1808)

**Schiemann** (Max.) Wattstundenmessungen an den Betriebsmitteln der Berlin-Charlottenburger Strassenbahn. (Elektrotechnische Zeitschr. *Berlin*, 1898. F°. v. 19, pp. 665-669.)

**Schürr** (J.) Sur une méthode de mesure de grandes résistances. (Jour. de Physique. *Paris*, 1898. 8°. sér. 3, v, 7, pp. 598-602.)

Schweidler (Egon, Ritter von.) Messungen an Flammen- und Tropfelektroden. (Kais, Akad. d. Wissensch. Math.-naturwiss, Classe. Sitzungsb. v. 107, pt. 2a, pp. 225-233. Wien, 1898.)

Barbillion (L.) Méthodes de mesure des pouvoirs inducteurs fondées sur les oscillations de Hertz. (Éclairage électrique. v. 19, pp. 326-333. Paris, 1899.)

**Blondlot** (R.) Sur la mesure directe d'une quantité d'électricité en unités électromagnétiques: application à la construction d'un compteur absolu d'electricité. (Annales télégraphiques. v. 25, pp. 20-26. *Paris*, 1899.)

**Bowie** (Aug. J.) Power factor measurements. (Electr. World & Engineer. v. 34, pp. 898-901. New York, 1899.)

**Cornu** (A.) Unités électriques usitées dans les applications de l'électricité. (Annales télegraphiques, sér. 3, v. 25, pp. 301-330. *Paris*, 1899.)

Forrini (Rinaldo). Di un nuovo sistema assoluto di misure per le grandezza elettriche e magnetiche. (R. Istituto Lombardo di sci. e lettere. Rendic. ser. 3, v. 32, pp. 1304-1313. *Milano*, 1899.)

**Péry** ( ) Nouvelle méthode galvanométrique. (L'éclairage électrique. v. 20, pp. 21-22. *Paris*. 1899.)

Guillet (A.) Détermination directe d'un kilohm absolu. (Éclairage électr. v. 20, pp 161-171; 328-336; 376-380. Paris, 1899.)

— (Journal de physique. sér. 3, v. 8, pp. 471-477. *Paris*, 1899.)

**Heinke**(C.) Zur Messung elektrischer Grössen bei periodisch veränderlichen Strömen. (Annalen d. Physik u. Chemie. n. s., v. 69, pp. 612-625. Leipsig, 1899.)

Kohlrausch (Dr. W.) Das Gesetz betreffend die elektrischen Maasseinheiten und seine technische und wirtschaftliche Bedeutung. Berlin: J. Springer, 1899. 2 p. l., 94 pp. 8°.

Lippmann (G.) Unités electriques absolues. Leçons professées à la Sorbonne . . . Rédigées par M. A. Berget . . . Paris : G. Carré & C. Naud, 1899. 2 p l.. II, 240 pp. 4°.

Martienssen (H.) Methode und Instrument zur Messung sehr kleiner Inductionscoefficienten. (Annalen der Physik und Chemie. *Leipzig*, 1899. 8°. v. 67, pp. 95-104.)

Montpellier (J. A.), and Aliamet (M.) Guide pratique de mesures et essais industriels. Instruments et méthodes de mesure: applications. T. I- Paris: Vve. C. Dunod, 1899 I v. 4°. (Bibl. pratique de l'électricien.)

Niethammer (F.) Zur Messung von Wechselstromeffekten nach der Drei-Voltmeter-Methode. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 701-703. Berlin, 1899.)

Pierron (C.) Note sur la détermination du rendement des dynamos à courant continu. (Bull. soc. indust. de Mulhouse. Mulhouse, 1899. 8°. v. 69, pp. 48-59.)

Rosa (Edward B.), and Smith (Arthur W.) A resonance method of measuring energy dissipated in condensers. (Physical Rev. Lancaster, Pa., 1899 8°. v. 8, pp. 1-20.)

Wachsmuth (R.), and Bergwitz (K.) Eine Kapazitätsbestimmung mit Hilfe der elektrischem Doppelbrechung. (Physik. Zeitschr. Jahrg. 1, pp. 7-8. Leipzig, 1899.)

Amélioration (De l') des noms pour les unités électriques et magnétiques fondamentales. (Bull. Soc. belge d'électriciens. v. 16, pp. 101-104. Bruxelles, 1900.)

Barnes (Howard Turner.) Note on the relation of the electrical and mechanical units. (Roy. soc. of Canada. Proc. and trans. ser. 2, v. 6, Trans. sec. 3, pp. 71-73. Ottawa, 1900)

Blane (F.) Eine graphische Methode zur Bestimmung der Strom- und Spannungswerthe in verketteten Mehrphasensystemen. (Elektrotechnische Ztsch. Jahrg. 21, pp. 733-735; 749-752. Berlin, 1900.)

Fessenden (Reginald A.) A proposed system of units. (Electr. World & Engineer. v. 35, pp. 282-284. New York, 1900.)

**Feussner** (K.) Das Prüfungsverfahren für Gleichstrom-Elektricitätszähler in der Physikalischtechnischen Reichsanstalt. (Elektrotech. Ztsch. Jahrg. 21, pp. 1035–1038. *Berlin*, 1900.)

Glasebrook (R. T.) Notes on the measurement of some standard resistances. (Phys. Soc. of London. Proc. v. 17, pp. 329-337. *London*, 1900.)

Hill (Wallace M.) Otto Wolf's standard resistances in electrical measurement. (Stevens Inst. Indicator. v. 17, pp. 425-438. *Hoboken*, 1900.)

Potts (L. M.) \*Rowland's new method for the measurement of electric absorption and hysteresis and for the detection of short circuits in coils ... Johns Hopkins University. [n.p., 1900?] I p. l., 91, 114 pp., I l. 8°.
Title taken from cover.

Measurement, cont'd.

Rayleigh (3. baron), J. W. Strutt. Experiments for improving the construction of practical standards for use in electrical measurements. Report of the committee, Lord Rayleigh (chairman.) (Rept. sixty-ninth meeting Brit. Assoc. for the Advancement of Sci. 1899, pp. 240-245. London, 1900.)

Rayleigh (3. baron), J. W. Strutt, and Schuster (A.) On the determination of the ohm (B. A. unit) in absolute measure. (In: Rayleigh (3. baron), J. W. Strutt. Scientific papers. Cambridge, 1900. 4°. v. 2, pp. 1-37.)

Rayleigh (3. baron), J. W. Strutt, and Sidgwick (Mrs. H.) On the electro-chemical equivalent of silver, and on the absolute electromotive force of Clark cells. (In his Scientific papers. Cambridge, 1900. 4°. v. 2., pp. 278-332.)

Saur (K.) Volt-Ampére Watt-Pferdestärken. Zwolf graphische Tabellen über die in der Praxis zumeist vorkommenden Werte und Wirkungsgrade ... Mit erläuterndem Text... Leipzig: O. Leiner [1900]. xiii pp., 1 l., 12 diagr. ob. 16°.

**Somigliana** (Carlo). Sulle unità elettriche e magnetiche. (R. Istituto Lombardo di sci. e lettere. Rendiconti. ser. 2, v. 33, pp. 119-132. *Milano*, 1900.)

Vigneron (E.), and Letheule (P.) Mesures électriques: essais de laboratoire. Paris: Gauthier-Villars [1900?]. 180 pp. 12°. (Encyclopédie scientifique des aide-mémoire. [Section de l'ingénieur.])

Volsberghe (Surmont de). Projet de loi sur les unités électriques. (Bull. mensuel de la soc. belge d'électriciens. v. 17, pp. 245-248. Brux-elle, 1900.)

Wolff (Frank A.) The facilities afforded by the office of standard weights and measures for the verification of electrical standards and electrical measuring apparatus. (Science. n. s., v. II, pp. 403-410. Lancaster, Pa., 1900.)

Addenbrooke (G. L.) Mesures précises des courants alternatifs et polyphasés, (L'éclair. electr. v. 28, pp. 283-292. *Paris*, 1901.)

—— Electrician. (v. 47, pp. 250-257; 297-299. London, 1901.)

**Krohn** (Sigvald). Ueber Messungen der elektrischen ströme in den städtischen Rohrleitungen. (Elektrotechnische Ztschr. Jahrg. 22, pp. 269-271. *Berlin*, 1901.)

Stern (Georg). Leistungsmessung mittels angenänerter Methoden. (Elektrotech. Ztsch. Jahrg. 22, pp. 577-580. *Berlin*, 1901.)

**Stern** (G.) Ueber Energiemessung an Drehstrommotoren. (Elektrotech. Ztsch. Jahrg. 22, pp. 539-542. *Berlin*, 1901.)

**Wien** (Max). Ueber die Erzeugung und Messung von Sinusströmen. (Annalen d. Physik. ser. 4, v. 4. pp 425-449. *Leipsig*, 1901.)

Zsakula (M. T.) Gleichstrommessungen. Handbuch für Studierende und Ingenieure... Berlin: L. Marcus, 1901. xii, 306 pp. 8°. **Breslauer** (Max). Eine Methode zur exakten Messung sehr grosser Phasenverschiebungen. (Elektrotechn. Ztschr. Jahrg. 23, pp. 221-223. *Berlin*, 1902.)

**Diesselhorst** (H.) Zur ballistischen Methode der Messung von Elektricitätsmengen. (Annalen d. Physik. ser. 4, v. 9, pp. 712-723. *Leipzig*, 1902.)

Görner (J.) Ueber Messungen elektrischer Effekte. (Elektrotechn. Ztschr. Jahrg. 23, pp. 338-340; 362-365. Berlin, 1902.)

Hohage (Karl). Anwendung des Elektrometers bei Wechselstrom zur direkten Messung des Effektes, des Stromes und des Phasenwinkels. (Elektrotechn. Ztschr. Jahrg. 23, p. 365. Berlin, 1902.)

Jaeger (W. ) Die Normalelemente und ihre Anwendung in der elektrischen Messtechnik. Halle a S.: W. Knapp, 1902. viii, 131 pp. 8°.

Orlich (E.) Ueber die Definition der Phasenverschiebung (Elektrotechn. Ztsch. Jahrg. 23, pp, 543-544. Berlin, 1902.)

**P**(A.) Eine neue Brückenmethode zur Isolationsmessung von Gleichstromnetzen während des Betriebes. (Dingler's Polytech. Jour. Jahrg. 82, v. 317, pp. 121-125. Stuitgart. 1902.)

Reed (John O. ), and Guthe (N. E.) A manual of physical measurements. Ann Arbor, Mich.: G. Wahr, 1902. xi, 186 pp., 1 l. 8°.

Sahulka (Johann). Die Masse in der Elektrotechnik. Einführung in das Wechselstromgebiet. (Ztsch. d. oesterr. Ingenier- u. architek.-Vereines. Jahrg. 54, suppl. pp. 9-16. Wien, 1902.)

**Vigneron** (Eug. ). Mesures électriques. Essais industriels. *Paris: Gautier-Villars* [1902]. 172 pp. 12°. (Encyclopédie scientifique des aidemémoire. [Section de l'ingénieur].)

#### - Instruments.

Hartman (E.) Elektrische und magnetische Messinstrumente nah F. Kohlrausch aus der physikalisch-astronomischen Werkstätte von E. Hartmann in Würzburg. Würzburg: Stahel, 1881. 8 pp., 2 pl. 8°.

Wilke (A.) Die elektrischen Mess- und Präcisions-Instrumente sowie die Instrumente zum Studium der elektrostatischen Elektricität, mit besonderer Rücksicht auf ihre Construction. Wien, 1883. 16°. (Elektrotechnische Biblio. Bd. 8.)

Fodor (E. D.) Die elektrischen Verbrauchsmesser. Mit 77 Abbildungen. Wien: A. Hart-leben's Verlug, 1891. xvi, 219 pp. 12°. (Elektro-technische Bibliothek. Bd. 43.)

Frey (Charles P). How to use electrical measurement apparatus. A manual of practical information relating to electrical testing. New York: E. S. Greeley & Co. [1891?] 48 pp. 8°.

Hartmann & Braun. Verzeichnis über elektrotechnische Messinstrumente mit Abbildungen von H. & B. elektrotechnische Fabrik in Bockenheim-Frankfurt a. M. Frankfurt a. M.: Gebrüder Knauer, 1891. 64 pp. 4°

**Swinburne** (J.) The measurements of electric currents; electrical measuring instruments. *New York*, 1893. 24°. (Van Nostrand science series. no. 109.)

Forranti (S. Z. de.) On the Ferranti electricity meter and its evolution. (Roy. Scottish soc. of arts. Trans. v. 14, p. 52-66. *Edinburgh*, 1895.)

Campbell (Albert). On new instruments for the direct measurement of the frequency of alternating or pulsating electric currents. (Phys. soc. of London. Proc. Vol. xiv., pp. 267, 1896.)

Biscan (Wilhelm). Die electrischen Messinstrumente. iv, 102 pp., 1 pl. Leipzig: O. Leiner, printer, 1897. 8°.

Tuma (Josef). Ein Phasenmessinstrument für Wechselströme. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 106, pt. 2a, pp. 442-452; 521-525. Wien, 1897.)

Armagnat (H.) Appareils de mesures. (L'éclairage électrique. *Paris*, 1898. 4°. v. 17, pp. 385-393.)

Onnes (H. Kamerlingh). Un moyen d'éclairer les échelles pour la lecture des angles par la méthode du miroir. *Illus a plates*. (Archives néerlandaises, ser. 2, v. 1, pp. 405-410. *La Haye*, 1808.)

Strauss (Herman A.) Galvanometers, ammeters, and voltmeters. (Home Study Maga. v. 3, pp. 11-16. Scranton, Pa., 1898.)

Wettler (A.) Verbesserte Federwaage für Bremsungen von Elektromotoren mit dem Prony'schen Zaum. (Elektrotechnische Zeitschr. Berlin, 1898. F°. v. 19, pp. 658-659.)

Wright (The) discount meter and its use in central station management. (Electrical Engineer. New York, 1898. F°. v. 26, pp. 509-510.)

**Armagnat** (A.) Instruments de mesures. (Éclairage électr. v. 18, pp. 331-336; 407-412; 457-461; 494-498. *Paris*, 1899.)

Barnett (Samuel J.) Quelques méthodes de mesure des potentiels élevés à l'aide d'instruments créés pour de bas potentiels. (Annales télégraphiques. sér. 3, v. 25, pp. 221-224. Paris, 1899.)

**Campbell** (Albert). The magnetic fluxes in meters and other electrical instruments. (Physical Soc. of London. Proc. *London*, 1899. 8°. v. 16, pp. 258-280.)

Carpenter (Hubert V.) A simple device for measuring the frequency of an alternating current. (Electrical World and Engineer. v. 34, pp. 198-199. New York, 1899.)

Cauro (J.) Mesures sur le microphone. (Éclairage électrique. v. 19, pp. 295-302; 333-337; 410-416. Paris, 1899.)

Commercial instruments for indicating and recording electrical quantities, with a note on the new Aron meter. (Electrical Engineer. London, 1899. 4°. n. s., v. 23, pp. 170-172.)

Elster (J), and Geitel (H.) Über einen Apparat zur Messung der Elektricitätsgestreung in der l uft. (Physik. Zeitschr. Jahrg. I, pp. 11-14. Leipzig, 1899.)

Fessenden (Reginald A.) Frequency meters. (Elect. World and Engineer. v. 34, pp. 739. New York, 1899.)

Goerner (Johannes). Über Mittel zur Erreichung grosser Phasenverschiebung und ihre Anwendung für verschiedene Messapparate. Zeitschr. Jahrg. 20, pp. 750-751. Berlin, 1899.)

Guye (Ch.-Eug.) Essais sur le compteur d'énergie pour courants alternatifs Du Docteur E. Batault. (Éclairage électr. v. 21, pp. 290-295. Paris, 1800.)

**Prusmann** (C. A. L.) The practical testing of electricity meters for central stations. (Electr. Engineer. v. 29, (n. s., v. 23) pp. 38-40; 102-105; 166-167; 230-231: 340-341; 462; 590-591; 730-731. London, 1899.)

Stine (Wilbur M.) The hysteresis errors of electricity meters containing soft iron armatures. (Electrical World. *New York*, 1899. F°. v. 33, pp. 200–202.)

Stoeckhardt (E.) Instrument zur Ermittelung der Wechselzahl (Wechselzähler). (Elektrotechnische Zeitschr. Jahrg, 20, pp. 873-874. Berlin, 1899.)

**Violle** (J. ) Rapport sur les instruments de mesures èlectriques de MM. Chauvin et Arnoux. (Bull. de la Soc. d'encouragement pour l'industrie nationale. sér. 5, v. 4, pp. 817-837. *Paris*, 1890.)

Werner (H.) Elektricitätszähler. (Schilling's Jour. f. Gasbeleuchtung u. Wasserversorgung. Jahrg. 42, pp. 726-745. München, 1899.)

Aliamet (M.) Les appareils électriques de mesure à l'exposition universelle. (Bull. de la Soc. internat. d. électriciens. v. 17, pp. 265-325; 329-402. Paris, 1900.)

Armagnat (H.) Appareils de mesures. (L'éclairage électr. v. 23, pp. 130-140, 370-379. Paris, 1900.)

---- Appareils de mesures des sections anglaise et américaine. (Éclairage electr. v. 25, pp. 405-416. *Paris*, 1900.)

Compteurs pour courants alternatifs. (Éclairage electr. v. 24, pp. 92-97. Paris, 1900.)

Les phasemètres industriels. (Bull. Soc.

internat. d. électriciens. v. 17, pp. 452-462. Paris, 1900.)

Ayrton-Mather (The) portable fieldtester. (Elect. World and Engineer. v. 35, p. 213. New York, 1900.)

**Baxter** (Wm.) Switchboard instruments—ammeters and voltmeters. (Amer. Machinist. v. 23, pp. 223-225. *New York*, 1900.)

Cotton (H.) Appareil pour la mesure de l'intensité des champs magnétiques. (Éclairage électr. v. 24, pp. 257-266. Paris, 1900.)

Coustet (E.) Les compteurs d'électricité. Paris: B. Tignol [1900]. 128 pp. 12° (Bibliothèque des actualilités industrielles. No. 74.)

**Dubreuil** (G.) Caisse portative universelle pour mesures électriques, de MM. Chauvin et Arnoux. (Annales télégraphiques. v. 25, pp. 481-495. *Paris*, 1900.)

**Duddell** (The) oscillograph. Constructed by the Cambridge Scientific Instrument Company, Limited, Cambridge. (Engineering. v. 69, pp. 582-584. *London*, 1900.)

Fellows (W. H.) Testing, adjusting and reading Thomson recording meters. (Sci. and Industry. v. 5, pp. 545-550. Scranton, Pa., 1900.)

Gruetzner (P.) Ueber die elektrostatische und elektrolytische Auszeichnung elektrischer Ströme. (Annalen d. Physik. ser. 4, v. 1, pp. 738-757. Leipzig, 1900.)

**Leeds** (Morris E.) & Co. Electrical measuring instruments and other scientific apparatus. Catalogue B. *Philadelphia: J. G. Biddle*, 1900. 3 p.l., 120 pp. 2. ed. 8°

Marek (W) Anwendung des Registrirapparates bei elektrischen Messungen. (Elektrotechnische Ztschr. Jahrg. 21, pp. 641-643. Berlin. 1000.)

Miller (William Lash), and Kendrick (F. B.) A universal electrical measuring apparatus. 9 illus. (Roy. soc. of Canada. Proc. and trans., ser. 2, v. 6; Trans., sec 3, p. 97-104. Ollawa, 1900.)

Oliva (Giacomo). Nuova forma di isteresimetro. Atti dell'assoc. elettrotecn. italiana. v. 4, pp. 177-185. *Torino*, 1900.)

Pierce (G. W.) Application of the Radio-Micrometer to the measurement of short electric waves. (Amer. Jour. of Sci. v. 9, pp. 252-260. New Haven, 1900.)

— Über die Verwendung des Radiomikrometers zur Messung kurzer elektrischer Wellen. (Physikalische Ztschr. Jahrg. 1, pp. 509-513. Leipsig, 1900.)

**Pochettino** (A.), and **Sella** (Alfonso). Sulla pretesa perdita di carica elettrica per evaporazione. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 9, pt. 2, p. 3–10. *Roma*, 1900.)

**Reyval** (J.) Compteur d'energie Holden à intégration discontinue. (L'éclairage électrique. v. 24, pp. 401-406. *Paris*, 1900.)

Rood (Ogden N.) Experiments on high electrical resistance. (Amer. Jour. of Sci. v. 10, pp. 285-294. New Haven, 1900.)

**Ryan** (Harris J.), and **West** (E. L.) Portable direct current measuring instruments for station tests. (Sibley Jour. of Engineering. v. 14, pp. 263-275; 311-324; 385-391. *Ithaca*, 1900.)

Stevens (J. Franklin). Electrical measuring instruments. (Street Railway Rev. v. 10, pp. 439-441. *Chicago*, 1900.)

— (Electrical Review. v. 37, pp. 16-18, 34-35. New York, 1900.)

**Appleyard** (Rollo). A direct-reading conductivity-bridge. (Phys. Soc. of London. Proc. v. 17, pp. 685-687. *London*, 1901.)

Armagnat (H.) Appareils de mesures compteurs. (L'éclairage électr. v. 27, pp. 204-212; 245-252. *Paris*, 1901.)

— Appareils de mesures. (L'éclair. électr. v. 29, pp. 345-351; 417-423. Paris, 1901.)

Les appareils de mesures électriques à l'exposition. Sections étrangères. (Jour. de physique. sér. 3, v. 10, pp. 165-195. *Paris*, 1901.)

Les appareils de mesures de la section française. (L'éclairage électrique. v. 26, pp. 189-204. Paris, 1901.) **Blondin** (J.) Ondographe ou cymatographe hospitalier. (L'éclairagé électr. v. 28, pp. 64-67. *Paris*, 1901.)

**Borgmann** (J.) Verwendung von Geisslerröhren zur Messung kleiner Kapazitäten. (Physikal. Ztsch. Jahrg. 2, pp. 651-653. *Leipzig*, 1901.)

Gelder (G. de). Untersuchungen über die praktische Brauchbarkeit des Wrightschen Höchstverbrauchsmessers. (Schilling's Jour. f. Gasbeleuchtung. Jahrg. 44, pp. 82-86; 98-101. München, 1901.)

General Electric Company. Electrical measuring instruments. Schenectady, N. Y.: [General Electric Press,] 1901. 106 pp., 1 l., 5 tab. 4°.

Goisot (G.) Compteurs à tarif variable. (L'éclairage électrique. v. 28, pp. 27-30. *Paris*, 1901.)

**Harms** (Fritz). Ueber die Verwendung des calorimeters zu Messungen mit schnellen elektrischen Schwingungen. (Annalen d. Physik. ser. 4, v. 5, pp. 565-596. *Leipzig*, 1901.)

Heyek (P.) Eine neue Form des Thiermann-'schen Kompensators. (Elektrotechnische Ztschr. Jahrg. 22, pp. 871-874. Berlin, 1901.)

Hohmann (Edmund). Das Wright'sche Stromtarifsystem. (Elektrotech. Ztsch. Jahrg. 22, pp. 49-52. *Berlin*, 1901.)

Janet (P.) Les compteurs d'énergie. (Jour. de physique théor. & appli. sér. 3, v. 10, pp. 717-750. Paris, 1901.)

**Kann** (Leopold). Selbstregistrierender Apparat zur Messung der Elektrizitätszerstreuung in der Luft. (Physiklische Ztsch. Jahrg. 2 (1901), pp. 621-623. *Leipzig*, 1901.)

Maclean (Magnus). Kelvin's electric measuring instruments. (Jour. Inst. of Electr. Engineers. v. 31, pp. 117-137. London, 1901.)

**Möller** (M.) Apparat zur Veranschaulichung des Bewegungsgesetzes elektrischer Ströme. (Verhandl. d. Vereins zur Beförderung des Gewerbfeisses. Abhandl. 1901. pp. 129-143. *Berlin*, 1901.)

Parker (Herschel C.) A percentage bridge. [With discussion.] (Transac. Amer. Inst. Electr. Engineers. v. 17, pp. 303-308. New York, 1901.)

**Perrin** (P.) Sur les instruments de mesures électriques enregistreurs. (Bull. de la soc. internat. d. électriciens. sér. 2, v. 1, pp. 155-180. *Paris*, 1901.)

**Schedd** (J. C.) Die Anwendung des Interferometers beim Studium des Zeemanessektes. (Physik. Ztschr. Jahrg. 2, pp. 278-283. *Leipsig*, 1901.)

Smith (Arthur T.) Notes on meter testing. (Electr. Rev. v. 48, pp. 1047-1048. London, 1901.)

Zacharias (J.) Elektrische Verbrauchsmesser der Neuzeit für den praktischen Gebrauch dargestellt. Halle a S.: W. Knapp, 1901. xii, 352 pp. 8°.

Armagnat (H.) Appareils de mesures. Compteurs. (L'éclair. elect. v. 32, pp. 155-161. *Paris*, 1902.)

**Dietse** (G.) Ein neues Messgeräth und seine Verwendung. (Elektrotech. Ztsch. Jahrg. 23, pp. 843-847. Berlin, 1902.)

Kollert ( ) Ueber Hitzdrahtstrommesser. (Elektrotechn Ztschr. Jahrg. 23, pp. 384-386. Berlin, 1902.)

Marek (W.) Bemerkungen, betreffend die Benutzung der neueren elektrischen Präcisions Messinstrumente mit Zeigerablesung. (Elektrotechn. Ztschr. Jahrg. 23, pp. 447-450. Berlin, 1002.)

**Ondograph** (The). (Scientif. Amer. Suppl. v. 54. p. 22305. *New York*, 1902.)

**Sharp** (Clayton H.) Checking electrical instruments. (Electr. Rev. v. 41, pp. 401. New York, 1902.)

Stern (Georg). Ein neuer Wechselstromzähler der Union Elektricitäts-Gesellschaft. (Elektrotechn. Ztschr. Jahrg. 23, pp. 774-779. Berlin, 1902.)

– Ammeter.

Murray (R. Milne) On a simple ammeter suitable for lamp-testing and other purposes. pl. (Roy. Scottish soc. of arts. Trans. v. 14, pp. 170-171. Edinburgh, 1896.)

**Schaefer** (C. W.) The capabilities of the milammeter and the galvanometer in general and submarine cable testing. (Electrician. v. 49, pp. 677-679; 707-709; 755-757; 793-795. *London*, 1902.)

— Ampere meter.

Reyval (J.) Ampèremètres et voltmètres caloriques Chauvin et Arnoux. (L'éclair. électr. v. 31, pp. 207-211.) Paris, 1902.)

Rio Joan (Francisco del). Verificación de amperimetros por el método electroquimico. (Mem. de ingen. del ejército. año 57, ser. 4, v. 19, pp. 14-19; 33-42; 65-72; 100-106; 129-136; 161-167; 193-199. Madrid, 1902.)

Weiss (Pierre). Ampèremètres et voltmètres independants de l'intensité de leur aimant permanent. (L'éclairage électr. v. 31, pp. 381-384. Paris, 1902.)

## — Electrodynamometer.

Giltay (J. W.) Ein geaichtes Electrodynamometer, insbesondere für electrotherapeutische Zwecke. Leipzig: J. A. Barth [1893?], pp. 756-765. 8°.

Repr.: Annalen der Physik und Chemie. Band 50.

**Depres** (Marcel). Sur un nouvel électrodynamomètre absolu. (Jour. de physique théor. et appliquée. *Paris*, 1898. 8°. sér. 3, v. 7, pp. 697-702.)

Guthe (Karl E.) Eine Neubestimmung elektrischer Einheiten mittels eines absoluten Elektrodynamometers. (Physikalische Zeitschr. Jahrg. 1, pp. 235-236. Göltingen, 1900.)

**Kapp** (Gisbert). A meter for measuring tractive force on electric tramcars. (Electr. Rev. v. 37, pp. 219-220. New York, 1900.)

— Zugkraftmesser für elektrische Bahnwagen. (Elektrotechnische Ztschr. Jahrg. 21, pp. 578-579. Berlin, 1900.)

Kollert (Julius). Elektrodynamometer mit Spiegelablesung für technische Zwecke. (Elektrotechnische Ztsch. Jahrg. 21, pp. 788-794. Berlin. 1000.)

Goldsborough (W. Elwell). A new transmission dynamometer. [With discussion.] (Transac. Amer. Inst. Electr. Engineers. v. 17, pp. 287-301. New York, 1901.)

#### - --- Electrometers.

**Deliman** (Friedrich). Uber ein neues Elektrometer. Koblens, 1842. 8°.

**Bottomley** (James Thomson). Electrometers. (In Science lectures at So. Kensington, v. 1. 1878.)

Burgess (Charles Frederick). A capillary electrometer for electrical measurements. (Electrical Engineer. *New York*, 1898. 4°. v. 26, pp. 99–100.)

**Vanni** (G.) Sopra una nuova forma dell' elettrometro capillare. (R. accad. dei Lincei. Rendic. classe d sci. fis. ser. 5, v. 7, pt. 1, pp. 309-310. *Roma*, 1898.)

Perot (A.), and Fabry (Ch.) Électromètre absolu pour petites différences de potentiel (Annales télégraphiques. sér. 3, v. 24, pp. 511-537. Paris, 1899.)

Addenbrooke (The) electrometer. (Electr. Engineer. (v. 31). n. s., v. 25, pp. 150-151. New York, 1900.)

**Chauveau** (A. B.) Sur la déviation limite de l'électromètre à quadrants. (Jour. de physique théor. & appli. sér. 3, v. 9, pp. 524-532. *Paris*, 1900.)

Hermann (L.), and Gildemeister (M.) Untersuchungen über die Eigenschaften und die Theorie des Kapillar Elektrometers. (Archiv. f. d. ges. Physiologie d. Mensch. u. der Thiere. v. 81, pp. 491-521. Bonn, 1900.)

**Duane** (William). Note on electrometers. (Phys. Rev. v. 13, pp. 369-377. *Lancaster*, Pa., 1901.)

**Koenigsberger** (J.) Ueber die Verwendung des Quadrant-elektrometers zur ballistischen Messung der magnetischen Feldstärke und über die Susceptibilität des Wassers. (Annalen d. Physik. ser. 4, v. 6, pp. 506-519. *Leipsig*, 1901.)

Cole (A. D.) Practical experience with the capillary electrometer. I pl. (Bull. Scientif. Lab. Denison Univ. v. II, pp. 265-273. Granville, Ohio, 1902.)

**Grimschl** (E.) Ein empfindliches Aluminiumblatt-Elektrometer. (Physikal. Ztschr. Jahrg. 3, pp. 569-572. *Leipzig*, 1902.)

Houllevigue (L.) Modèle commode d'électromètre capillaire. (Jour. de Physique. ser. 4, v. 1, pp. 382-383. Paris, 1902.)

## ---- Electroscope.

Pflaum (H.) Ueber ein Vacuumelektroscop. (Annalen der Physik. ser. 4, v. 1, (v. 306) pp. 290-293. Leipzig, 1900.)

— Faradmeter.

**Pupin** (M. I.) A faradmeter. [With discussion.] (Transac. Amer. Inst. Electr. Engineers. v. 17, pp. 75-80. *New York*, 1901.)

—— —— (Electrical Review. v. 36, pp. 262-New York, 1900.)

#### - Galvanometer.

Bosscha (Johannes), fil. \*Dissertatio physica inauguralis de galvanometro differentiali . . . x, 62 pp. Lugduni-Batavorum: C. G. Menzel, 1854. 8°.

Mayer (A. M.) On a new form of lanterngalvanometer. n. p. [1872?] 6 pp. 8°.

Repr.: The American Journal of Science and Arts. Vol. III, June, 1872.

Haskins (C. H.) The galvanometer and its uses. 2 ed. New York, 1881. 12°.

Willson (R. W.) Ein empfindliches Galvanometer mit messbarem Reductionsfactor. n. p. 1885. pm. 8°.

**Lockwood** (T. D.) Electrical measurement and the galvanometer . . . 2 ed. *New York*, 1890. 12°.

Ayrton (William Edward), Mather (T.), and Sumpner (W. E.) Galvanometers. Illus. (Philos. mag. and jour. of science, ser. 5, v. 30, pp. 58-95; v. 42, pp. 442-446; v. 46, pp. 349-379. London, 1890-98.)

The second and third papers were written by W. E. Ayrton and T. Mather alone.

**Harker** (J. A.) A delicate galvanometer, for use with platinum thermometers. (Roy. Soc. Proc., vol. 60, 1896, pp. 154-156.)

Fabry (Ch.) Sur le champ magnétique au centre d'une bobine cylindrique et la construction des bobines de galvanomètres. (L'Éclairage électrique. Paris, 1898. 4°. v. 17, pp. 133-141.)

Lendi (J. Henry). A new form of galvanometer. (Proc. of the Indiana Acad. of Science, 1897. *Indianapolis*, 1898. 8°. pp. 127-130.)

Ayrton (W. E.), and Mather (T.) Galvanometers. (Physical Soc. of London. London, 1898. 8°. v. 16, pp. 169-206.)

Barus (C.) Ballistic galvanometry with a counter-twisted torsion system. (Physical Rev. New York, 1898. 8°. v. 7, pp. 10-18.)

**Pomey** (J. B.) Note sur les meilleures conditions d'emploi du galvanomètre différentiel pour la mesure des faibles résistances. (Éclairage électrique. *Paris*, 1899. 4°. v. 18, pp. 247-249.)

**Beattie** (R.) Note on a possible source of error in the use of a ballistic galvanometer. (Lond., Edinb. and Dublin Philosoph. Maga. v. 50, pp. 575-579. *London*, 1900.)

**Bois** (H. du), and **Rubens** (H.) Panzergalvanometers. (Zeitschr. f. Instrumentenkunde. Jahrg. 20, pp. 65-78. Berlin, 1900.)

**Boyd** (James E.) The galvanometer. (Science and industry. v. 5, pp. 88-90.) Scranton, Pa., 1900.)

Chevallier (H.) Note sur l'influence des courants de tramways sur les mesures galvanométriques. (Bull. Soc. internat. d. électriciens. v. 17, pp. 434-436. *Paris*, 1900.)

**Day** (William S.) A new method of measuring the resistance of a galvanometer. (Physical Rev. v. II, pp. 251-254. *Lancaster*, Pa., 1900.)

Grats (Wm.) Calibration of a galvanometer. (Sci. and Industry. v. 5, pp. 318-322. Scranton, Pa., 1900.)

**Solomon** (Maurice). On the damping of galvanometer needles. (Lond., Edinb. and Dub. Philosoph. Maga. ser. 5, v. 49, pp. 559-570. London, 1900.)

— — (Physical Society of London, Proceedings. v. 17, pp. 181-193. London, 1900.)

Wilson (R. M.) Sensitive Thomson galvanometer. (Science and Industry. v. 5, pp. 488-491. Scranton, Pa., 1900.)

Crawley (C. W. S.) Note on the use of the differential galvanometer. [Discussion.] (Jour. Inst. of Electr. Engineers. v. 30, pp. 908-926. London, 1901.)

—— —— (Electrician. v. 47, pp. 143-144. London, 1901.)

**Disselhorst** (H.) Ueber ballistische Galvanometer mit beweglicher Spule. (Annalen d. Physik. ser. 4, v. 9, pp. 458-467. *Leipzig*, 1902.)

Einthoven (W.) Un nouveau galvanomètre. (Archives néerlandaises, ser. 2, v. 6. pp. 625-633. La Haye, 1901.)

**Kümmel** (G.) Untersuchungen über d'Arsonval-Galvanometer. (Ztsch. f. Elektrochem. Jahrg. 7, pp. 745-750. *Halle-a-S.*, 1901.)

**Lippmann** (G.) Sur un galvanomètre parfaitement astatique. (Jour. de phys. théor & appli. sér. 3, v. 10, pp. 476-478. *Paris*, 1901.)

Mendenhall (C. E.), and Waidner (C. W.) On galvanometers of high sensibility. (Amer. Jour. of Sci. ser. 4, v. 12, pp. 249-262. New Haven, 1901.)

**Robertson** (David). The apparent resistance of a ballistic galvanometer of the moving coil type, and a method of allowing for the damping current. (Electrician. v. 46, pp. 901-904; v. 47, pp. 17-20. *London*, 1901.)

Wright (J.) The development of the galvanometer. (Cassier's Maga. v. 22, pp. 601-607. New York, 1902.)

## ---- Potentiometer.

Fisher (W. C.) The potentiometer and its adjuncts. x, 194 pp., 2 pl. London: "The Electrician" Print and Pub. Co. [1897.] 8°. (Electrician series.)

Hering (Carl). Liquid potentiometer; determining electrolytic resistances with direct current instruments. (Transac. Amer. Inst. of Electr. Engineers. v. 19, pp. 827-833. New York, 1902.)

# – Voltmeter.

**Pérot** (A.), and **Fabry** (Ch.) Sur un voltmètre électrostatique interférentiel pour étalonnage. (Jour. de Physique théorique et appliquée. *Paris*, 1898. 8°. sér. 3, v. 7, pp. 650-659.)

Davies (Benjamin). A new form of amperemeter and voltmeter with a long scale. (Lond., Edinb. & Dublin Philosoph. Maga. & Jour. of Sci. v. 48, pp. 204-212. London, 1899.)

O'Keenan (C. E.) Compteur volt-heure-mètre O'Keenan dit "Compteur O'K." (Bull. Soc. internat. d. électriciens. v. 16, pp. 391-409. Paris, 1800.)

**Pérot** (A.), and **Fabry** (Ch.) Sur un voltmètre électrostatique interférentiel pour étalonnage. (Annales télégraphiques. sér. 3, v. 24, pp. 538-550. Paris, 1899.)

**Thiermann** (W.) Spiegel-Voltmeter mit weitem Messbereich. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 211-214. *Berlin*, 1900.)

Campbell (Albert). On a phase-turning apparatus for use with electrostatic voltmeters. (Electrician. v. 46, pp. 399-402. *London*, 1901.)

Field (Michael B.) A method of compensating voltmeters for the voltage drop in long feeders. [Discussion.] (Jour. Inst. of Electr. Engineers. v. 30, pp. 567-595. London, 1901.)

—— (Electrician. v. 46, pp. 657-659, 729-732. London, 1901.)

**Hanchett** (George T.) A means of measurement of the angle of lag and the power factor with a voltmeter. (Electr. World and Engineer. v. 38, pp. 718-719. *New York*, 1901.)

Compensating voltmeters. (Sci. & Industry. v. 7, pp. 124-128. Scranton, Pa., 1902.)

**Dobbs** (A. E.) The possible uses of a voltmeter. (Amer. Telephone Jour. v. 5, pp. 287-289. New York, 1902.)

Laws (Frank Arthur), and Coolidge (William David). An apparatus for the rapid comparison of voltmeters. 4 diagrams. (Technology quarterly. v. 15, pp. 69-73.) Boston, 1902.)

**Lehfeldt** (R. A.) A voltameter for small currents. (Lond., Edinb. and Dub. Philosoph. Maga. and Jour. of Sci. ser. 6, v. 3, pp. 158-159. *London*, 1002.)

—— —— (Physical Society of London. Proceedings. v. 18, pp. 82-84. London, 1902.)

- Wattmeter.

Richards (Theodore W.), and Heimrod (George W.) Ueber die Genauigkeit des verbesserten Voltameters. (Ztsch. f. physikalische Chemie. v. 41, pp. 302-330. Leipzig, 1902.)

General Electric Company. Thompson recording Wattmeters. [Schenectady, N. Y.:] Gen. Elect. Co., 1898. 46 pp. 4°.

Arnô (Riccardo). Wattometro elettrostatico per correnti alternative ad alta tensione. (R. accad. d. scienze. Atti, v. 33, p. 827-831. Torino, 1898.)

Grau (August). Über die Erweiterung des Messbereiches des Wattmeters. (Mittheil. d. k. k. technologischen Gewerbe-Museums. Wien, 1898. 4°. n. s. Jahrg. 9, pp. 39-43.)

**Loppé** (F.) Sur le facteur de correction des wattmétres. (L'Eclairage électrique. *Paris*, 1898. 4°. v. 16, pp. 525-530.)

White (Wallace D.) A frictionless wattmeter. (Electr. World & Engineer. v. 33, pp. 855-856. New York, 1899.)

Arnò (Riccardo). Un nuovo metodo di misura con l'impiego del Wattmetro-Pasometro. (Atti dell' assoc. elettrotecn. italiana. v. 4, pp. 75-77. *Torino*, 1900.)

— Sull' impiego del Wattometro-fasometro per sistemi trifasi ad alta tensione. (Atti dell' assoc, elettrotecn. italiana. v. 5, pp. 385-388. *Torino*. 1901.)

Barker (J. H.) A combination integrating wattmeter and maximum-demand indicator. (Electrical Engineer. v. 32 (n. s., v. 26), pp. 335-336. London, 1900.)

**Drysdale** (Charles V.) The theory and use of the alternate current wattmeter. (Electrician. v. 46, pp. 774-778. *London*, 1901.)

Holden (Frank). A watt-hour meter. [Discussion.] (Jour. Inst. of Electr. Engineers. v. 30, pp. 944-968. London, 1901.)

Arcioni (Vittorio). Sopra un nuovo kilowattometro registratore con "relais." (Atti dell' assoc. elettrotecn. italiana. v. 6, pp. 215-235. Torino, 1902.)

Armagnat (H.) Wattmeters et compteurs pour courants alternatifs. (L'éclairage électr. v. 31, pp. 237-245. *Paris*, 1902.)

**Brandels** (Charles). Rating of wattmeters for three-phase systems. (Electr. World & Engineer. v. 39, pp. 474. New York, 1902.)

### POWER PLANTS AND SUPPLY STATIONS.

General works only are included here; for power plants of a given place see the regional subdivision under Electricity—Power Plants in the Index (card) catalogue in the reading room.

Urbanitzky (A. von). Die elektrischen Beleuchtungs-Anlagen mit besonderer Berücksichtigung iher praktischen Ausführung. Wien, 1883. 12°. (Elektrotechnische Bibliothek. Band 11. bd. with Band 3, 4.)

**Hedges** (K.) Continental electric light central stations, with notes on the methods in actual practice for distributing electricity in towns....

London, 1892. 4°.

Siemens and Halske, Elektrische Central-Anlagen. [Berlin: O. v. Holten, 1893?] 2 p. l., 70 pp., 27 pl. obl. 8°.

—— [Berlin: O. v. Holten, 1893?]
2 p. l., 74 pp., 34 pl. obl. 8°.

Allgemeine Elektricitäts-Gesellschaft, Berlin. Elektrische Beleuchtung und Kraftübertragung. Hilfsbuch zur Anfertigung von Projekten und Kostenanschlägen. v. p., ill., maps. Berlin: J. Springer [1894]. 8°.

**Leggett** (T. H.) Electric power transmission plants and the use of electricity in mining operations. Sacramento: State Office, 1894. 45 pp. 8°.

Repr.: 12. Report State Mineralogist, 1894.

**Bell** (L.) Electric power transmission. A practical treatise for practical men. 4 p. l., 491 pp., 4 pl. New York: The W. J. Johnston Co., 1897. 8°.

Power Plants, cont'd,

Foder (Etienne de). Elektricität direkt aus Kohle. x, 11, 306 pp. Wien: A. Hartleben, 1897. 12°. (Elektrotechnische Bibliothek. Bd. 46.)

Riha (J.) Die Aufstellung von Projekten und Kostenvoranschlägen für elektrische Beleuchtungsund Kraftübertragungs Anlagen. . . . viii, 483 pp., ill. Leipsig: Veit & Co., 1897. 12°.

Fischer (L.) Elektrische Licht-und-Kraft-Anlagen. Gesichtspunkte für deren Projectierung. Wiesbaden: C. W. Kreidel, 1898. xi, 317 pp. 4<sup>2</sup>.

Hecker (A.) Elektrische Kraftübertragungsanlagen und deren praktische Ausführung. Halle a. S.: W. Knapp, 1898. iv, 11., 122 pp. 8°.

Heim (C.) Die Einrichtung elektrischer Beleuchtungsanlagen für Gleichstrombetrieb. Leipsig: O. Leiner, 1899. xv, 620 pp. 3. ed. 8°.

Scott (Charles F.) Evolution in central-station practice. (Engineering Maga. New York, 1898. 8°. v. 16, pp. 255-268.)

Sturtevant (B. F.) Co. Illustrated catalogue of the Sturtevant engines for electric light plants and general high grade work. New York, The Co., 1898. 45 pp., 1 p. l. 8°.

Wordingham (C. H.) Lectures on the production and distribution of electrical energy, delivered to the members of the city council. Manchester: H. Blacklock & Co., Ltd., prtrs., 1898-9.
1., 41 pp. 8°. (Manchester (England), City Council.)

Adams (Alton D.) Storage batteries versus electric isolated plants. (Cassier's Maga. v. 16, pp. 659-662. New York, 1899.)

**Bell** (Louis). Electric power distribution and the small consumer. (Engineering Maga. v. 18, pp. 240-248. New York, 1899.)

Gay (A.), and Yeaman (C. H.) An introduction to the study of central station electricity supply. London: Whittaker & Co., 1899. xiii, 467 pp., 4 plans, 4 pl., 2 tables. 12°.

**Kath** (Hubert). Die Sicherheit des Menschen gegenüber elektrischen Anlagen. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 601-603. *Berlin*, 1800.)

Adams (Alton D.) Electric, gas, and heating plants. (Electr. Rev. v. 37, pp. 275-276. New York, 1900.)

**Cromptom** (R. E.) Influence of cheap fuels on the cost of electrical energy. I p. l. (Jour. Inst. of Electr. Engineers. v. 29, pp. 62-77. *London*, 1900.)

**Dawson** (Philip). The use of gas engines in connection with electric power plants. (Engineering. v. 70, pp. 169-172; 199-206; 244-246; 273-276. *London*, 1900.)

**Doherty** (Henry L.) Electric central station affairs. (Progressive Age. v. 18, pp. 75-78. *New York*, 1900.)

Krone (M.) Elektrizitätswerke mit Gasmaschinenbetrieb. (Zeitschr. d. Vereines deutscher Ingenieure. v. 44, pp. 39-48. Berlin, 1900.)

Lasche (O.) Elektrischer Einzelantrieb und seine Wirtschaftlichkeit. (Ztsch. d. Vereines deut. Ingenieure. v. 44, pp. 1189-1198; 1242-1246; 1279-1285. Berlin, 1900.)

**Peach** (C. Stanley). Central stations. (Electr. Engineer. v. 31, (n. s., v. 25) pp. 309-311; 336-340. *London*, 1900.)

**Schott** (W. H.) Central station heating in connection with electric-lighting plants. (Municipal Engineering. v. 18, pp. 156-158. *Indiana-polis*, 1900.)

Eborall (A. C.) Some notes on polyphase substation machinery. (Electr. Engineer. v. 33 (n. s., v. 27), suppl. to Mar. 29, 1901, pp. 1-8; v. 33, pp. 515-520. London, 1901.)

Jones (Forrest R.) Power and light for the machine shop and foundry. (Amer. Machinist. v. 24. pp. 59-64. New York, 1901.)

**Kistner** (Alfred). Schaltungsarten und Betriebsvorschriften elektrischer Licht- und Kraftanlagen unter Verwendung von Akkumulatoren. . . . Berlin: J. Springer, 1901. viii, 210 pp. 8°.

Mittelman (L. ) Elektrische Licht- und Kraftanlagen im Anschluss an Elektrizitätswerke. . . . Halle a. S.: C. O. Lehmann, 1901. 2 p. l., 46 pp., 1 l. 8".

Moses (P. R.) The choice of an electric-power distribution system in factories. (Engineering Maga. v. 21, pp. 883-890. New York, 1901.)

**Philippe** (René). Utilisation des chutes d'eau à la production d'énergie électrique. 2 pl. (Portefeuille écon. des machines. sér. 4, v. 10, col. 97-102. *Paris*, 1901.)

Scott (Charles F.) Apparatus for power distribution from central stations. (Jour. Franklin Inst. v. 151, pp. 282-308. *Philadelphia*, 1901.)

Scott (J. Gray). Electricity works load factors. (Electr. Engineer. v. 34 (n. s., v. 28), pp. 876-876. London, 1901.)

Vorschriften für die Errichtung von elektrischen Starkstromanlagen. (Electrotech. Ztschr. Jahrg. 22, pp. 972-979. Berlin, 1901.)

Wordingham (C. H.) Central electrical stations: their design, organisation and management. London: C. Griffin & Co., 1901. xvi, 496 pp., 1 diag., 3 plan, 1 pl., 1 tab. 8°.

Wyld (W.) Polyphase equipment of factories. [Discussion.] Jour. Inst. of Electr. Engineers. v. 30., pp. 986-1019. London, 1901.)

---- (Electrical Engineer. v. 33 (n. s., v. 27), pp. 686-692. London, 1901.)

Adams (Alton D.) Incomes of electric stations. (Electr. Rev. v. 41, pp. 324-327. New York, 1902.)

Arnold (E.) Das polycyklische Stromvertheilungssystem Arnold-Bragstad-la Cour. (Elektrotechn. Ztschr. Jahrg. 23, pp. 569-571; 584-588. Berlin, 1902.)

Clothier (Henry W.) The construction of high-tension central station switch-gears, with a comparison of British and foreign methods. (Jour. Inst. of Electr. Engineers. v. 31, pp. 1247-1264. London, 1902.)

Earle (Hardman A.) The supply of electricity in bulk. (Electrician. v. 48, pp. 612-614; 662-664. London 1902.)

Eisig (M.) Betrachtungen über Bahncentralen. (Elektrotech. Ztsch. Jahrg. 23, pp. 588-593; 607-611. Berlin, 1902.)

Power Plants, cont'd.

Gola (G.) Protezione degli impianti elettrici contro le scariche atmosferiche scaricafulmini per linee aeree tipo in serie. 4 pl. (Atti dell' assoc. elettrotecn. italiana. v. 6, pp. 28-41. Torino, 1902.)

Martin (Henry). Production et distribution de l'énergie pour la traction électrique. Paris: C. Bèranger, 1902. 2 p. l., 749 pp., 1 l. 8°.

Moore (J. F.) The mains department of a direct-current electric supply station. (Electr. Engineer. v. 35 (n. s., v. 29) pp. 518-521. London, 1902.)

**Parsons** (Isaac D. ) The economy of isolated electric plants. n. p., 1902. 1 p. l., 573-736 pp. 8°.

Repr.; Engineering Mag., 1902.

Piassoli (Emile). Installations d'éclairage électrique: manuel pratique. Traduit de l'Italien par G. Cucurullo et E. A. della Santa. Paris: C. Béranger, 1902. 3 p. l., xi, 657 pp., 1 l., 1 plan. 5 ed. 8°.

Stegen (Van der). Les conditions de régularité des machines de stations centrales. (Soc. belge d'électriciens. Bull. v. 19, pp. 14-42. Bruxelles, 1902.)

#### - Accounts.

Electricity works accounts. (Electrician. London, 1898. 4°. v. 42, pp. 6-7.)

Foster ([H A ]) Photo-engraved samples of Foster's central station blanks. New York: C. C. Shelley [1900?]. 27 pp. 8°.

Electricity works accounts. (Electrician. v. 46, pp. 240-241. London, 1900.)

**Electricity** works accounts. Portsmouth municipal electric supply works. (Electrician. v. 48, pp. 16-17. *London*, 1901.)

**Electricity** works accounts. Salford municipal electric supply works. (Electrician. v. 48, pp. 534-535. *London*, 1902.)

Electricity works accounts. (Electrician. v. 48, pp. 1016-1017. London, 1902.)

Electricity works accounts. County of London and Brush Provincial Electric Lighting Co. (Ltd.) (Electrician. v. 49. pp. 96-97. London, 1902.)

### ---- Costs.

Fodor (E. de). Materialien für Kostenvoranschläge elektrischer Lichtanlagen. Wien, 1888. 12°. (Electro. techn. Bibliothek, Band 39.)

**Dawson** (Philip.) The cost of electric power production. (Engineering. v. 69, pp. 701-704; 739-740; 841-845. *London*, 1900.)

**Dawson** (Philip). Some figures on the cost of electric power plants. (Engineering. v. 70, pp. 112-113. *London*, 1900.)

Cost of electrical works in Europe. (Consular Reports. v. 65, pp. 302. Washington, 1901.)

Electricity supply works costs in 1898 and 1899. (Electrician. v. 46, pp. 382-388. London, 1901.)

Moses (Percival Robert). Cost determination in isolated electric plants. (Engineering Maga. v. 20, pp. 1082–1088. New York, 1901.)

**Tittensor** (W. H.) The equitable allocation of costs in combined lighting and traction stations. (Electrician. v. 47, pp. 488–489. *London*, 1901.)

Adams (Alton D.) Costs of electric power transmission. (Cassier's Maga. v. 22, pp. 652-657. New York, 1902.)

Electricity supply works costs in 1899 and 1900. (Electrician. v. 48, pp. 410-418. London, 1902.)

## — Design and Equipment.

Carter (E. T.) Motive power and gearing for electrical machinery: a treatise on the theory and practice of the mechanical equipment of power stations for electric supply and for electric traction. xxii, 620 pp., 15 pl., ill. New York...: The D. Van Nostrand Co. [1896]. 8°.

(The Electrician series.)

**Humphrey** (H. H.) The design and construction of a modern central lighting station. I pl. (Jour. Assoc. of Engineering Soc. v. 23, pp. 166-194. *Philadelphia*, 1899.)

Adams (Alton D.) Economic equipment of electric stations. (Electr. World and Engineer. v. 35, pp. 316-318. New York, 1900.)

**Dawson** (Philip). Some general conditions governing power station design. (Street Railway Jour. v. 16, pp. 682-683. *New York*, 1900.)

Roberts (A.) The designing of electrical generating stations. (Electr. Engineer. (v. 31) n. s., v. 25, pp. 152-155. New York, 1900.)

**Shepardson** (George D.) Why some municipal electric plants do not pay better. (Electr. Rev. v. 37, pp. 37; 52-55. *New York*, 1900.)

Woodbridge (J. E.) The influence of polyphase apparatus on the design of railway power stations. (Electr. World and Engineer. v. 38, pp. 532-534; 592-594; 638-641. New York, 1901.)

**Robbins** (C. G.) A comparison of the steam piping systems of the four large electrical stations of New York. (Amer. Electrician. v. 14, pp. 255-261. *New York*, 1902.)

### — Gas Engines for.

Ayrton (W. E.) On the economical use of gas engines for the production of electricity... London: W. Dawson & Sons [1882?]. 14 pp., 1 l. 8°.

Adams (Alton D.) Gas engines and electric stations. (Engineering Maga. v. 19, pp. 28-32. New York, 1900.)

**Dawson** (Philip). The use of gas engines in connection with electric power plants. (Engineering. v. 70, pp. 169-172; 199-206; 244-246; 273-276. *London*, 1900.)

—— Some existing gas-driven power plants. (Engineering. v. 70, pp. 287-288; 322; 399; 465-466; 526-527; 589-591; 654. *London*, 1900.)

Humphrey (Herbert A.) Power-gas and large gas-engines for central stations. 11 pl. (Inst. of Mechanical Engineers. Proc. 1901. pp. 41-247. London, 1901.)

#### - History.

Adams (Alton D.) The development of electric stations. (Cassier's Maga. v. 17, pp. 91-103. New York, 1899.)

Power Plants, cont'd.

**Duncan** (Louis). Present status of the transmission and distribution of electrical energy. (Smithsonian Inst. Annual rpt. for 1896, pp. 207–221. Washington, 1898.)

#### — Standardisation.

Sellon (R. Percy). The standardisation of electrical engineering plants. (Electr. Engineer. (v. 31) n. s., v. 25, pp. 201-202; 227-228. London, 1900.)

— (Jour. Institute Electr. Engineers. v. 29, pp. 291-303. London, 1900.)

—— (Engineer. v. 89, 144 pp. London,

- Statistics.

Hale (R. S.), and Codman (J. S.) Electricity and population in the cities of the world. (Electrical World. New York, 1899. F°. v. 33, p. 19.)

Statistik der Elektricitätswerke in Deutschland nach dem Stände vom I März, 1898. (Elektrotechnische Zeitschr. *Berlin*, 1898. F°. Jahrg. 19, pp. 442-461.)

Statistik der Elektricitätswerke in Deutschland nach dem Stände vom 1. März, 1899. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 474-487. Berlin, 1899.)

Erseugung (Die zur) elektrischen Stromes dienende Dampskraft in Preussen i J. 1899. (Ztschr. f. angewandte Chemie. Jahrg. 1900, pp. 356-359. Berlin, 1900.)

**Dawson** (Philip). Some statistics relating to electric power production. (Engineering. v. 69, pp. 434-435; 539-540; 635-636. *London*, 1900.)

**Gibbings** (A. H.) Electrical driving of factories from the public point of view. (Electr. Engineer. v. 31 (n. s., v. 25), pp. 453-456; 476-478. *London*, 1900.)

Adams (Alton D.) Massachusetts electrical systems in 1901.—Finances. (Electr. World and Engineer. v. 39, pp. 1008-1010. New York, 1902.)

#### RESONANCE.

Lagergren (S.) Ueber die Dämpfung elektrischer Resonatoren. 4 ills. pl., pp. 30. (Kongl. svenska vetenskaps-akad. Bihang till handlingar. v. 23, pt. 1, no. 4. Stockholm, 1897.)

**Décombe** (L.) Résonance multiple des oscillations électriques. (Annales de chimie et de physique. *Paris*, 1898. 8°. ser. 7, v. 15, pp. 156–202.)

Rosa (Edward B.), and Smith (Arthur W.) A resonance method of measuring energy dissipated in condensers. (Physical Rev. Lancaster, Pa., 1899. 8°. v. 8, pp 1-20.)

**Turpain** (A.) Étude experimentale sur le résonateur de Hertz. (Archives néerlandaises. ser. 2, v. 5, pp. 152-163. La Haye, 1900.)

Armagnat (H.) Résonance dans les circuits à courant continu. (L'éclairage électrique. v. 27, pp. 465-468. Paris, 1901.)

Aschkinass (E.), and Schaefer (Cl.) Ueber den Durchgang elektrischer Wellen durch Resonatorensysteme. (Annalen d. Physik. ser. 4, v. 5, pp. 489-500. Leipzig, 1901.)

**Kiebits** (Franz). Bestimmungen der Resonanz elektrischer Schwingungen mit Hülfe des Cohärers. (Annalen d. Physik. ser. 4, v. 6, pp. 741-753. *Leipsig*, 1901.)

Planck (Max). Vereinfachte Ableitung der Schwingungsgesetze eines linearen Resonators im stationär durchstrahlten Felde. (Physikal. Ztschr. Jahrg. 2, pp. 530-534. Letpsig, 1901.)

Russell (Alexander). Note on resonance with alternating currents. (Jour. Inst. of Electr. Engineers. v. 30, pp. 596-606. London, 1901.)

**Turpain** (A.) Fonctionnement du résonateur de Hertz et du résonateur a coupure—observation de la résonance électrique dans l'air raréfié. (Jour. de Physique. ser. 3, v. 10, pp. 425-438. *Paris*, 1901.)

Armagnat (H.) Application des oscillographes à la méthode de résonance. (L'éclair. électr. v. 30, pp. 373-385. *Paris*, 1902.)

#### TESTING.

**Kempe** (Harry Robert). A handbook of electrical testing. *London and New York*, 1876. il. pl. 16°.

Fisher (H. K. C.), and Darby (J. C. H.) Students' guide to submarine cable testing. London: "The Electrician" Printing and Publishing Co. [189-7] viii, 1 l., 166 pp. 8<sup>5</sup>.

Webb (H. L.) A practical guide to the testing of insulated wires and cables. [il.] New York, 1891. 12°.

**Kempe** (H. R.) A handbook of electrical testing. 5. ed. *London*, 1892. 8°.

Raphael (F. C.) The localization of faults in electric light mains; a handbook for central station engineers. v. I. l., 184 pp. London: "The Electrician" Print. and Pub. Co. [1897]. 8°.

Fisher (H. W.) Methods of locating faults in underground electric cables. (Proc. Engineers' Soc. of Western Penn. v. 16, pp. 328-365. Pittsburgh, Pa., 1900.)

Raphael (F. C.) Isolationsmessungen und Fehlerbestimmungen an elektrischen Starkstromleitungen. Autorisirte deutsche Bearbeitung von R. Apt. Berlin: J. Springer, 1900. x, 186 pp. 3°

Charpentier (P.) Méthode générale de recherche des défauts d'un réseau de distribution. (L'éclair. électr. v. 26, pp. 365-370. Paris, 1901.)

Parr (G. D. A.) Practical electrical testing in physics and electrical engineering ... London: Longmans, Green & Co., 1901. vi, 1 l., 392 pp. 8°.

Eingrensung von Fehlern in Seekabeln. (Elektrotechn. Ztschr. Jahrg. 23, pp. 10-12. Berlin, 1902.)

## THREE-PHASE SYSTEM.

Cripple Creek district railway. [The three-phase system of electrical transmission.] (Street Railway Rev. *Chicago*, 1898. 4°. v. 8, pp. 707-710.)

Geipel (W.) Electric power and its application on the three-phase system to the Bristol wagon and carriage works (Electrical Engineer. *London*, 1898. 4°. (28) n. s., v. 22, pp. 363-366.)

Archibald (E. M.) Three-phase power transmission at St. Hyacinthe, Quebec, Canada. (Electr. World and Engineer. v. 33, pp. 869-871. New York, 1899.)

Three-phase System, cont'd.

**Bowie** (A. J.) Three-phase four-wire low-tension systems. (Electr. World and Engineer. v. 33, pp. 840-842. *New York*, 1899.)

**Kollert** (J.) Isolationsmessungen an Dreileiteranlagen mit isolirtem Mittelleiter. (Elektrotechnische Zeitschr. *Berlin*, 1899. F°. v. 20, pp. 179–180.)

**Michel** (Louis). Emploi des courants triphasés dans les tramways électriques. (Rev. gén. d. chemins de fer & d. tramways. Année 22, pp. 442-444. *Paris*, 1899.)

Three-phase transmission for electric railway work in Maine. (Street Railway Jour. New York, 1899. 4°. v. 15, pp. 155-158.)

Adams (Alton D.) Extension of electrical supply from three-wire stations. (Electr. World and Engineer. v. 35, pp. 396-397. New York, 1900.)

Guye (Ch.-Eug.) Calcul graphique d'une ligne souterraine triphasée concentrique. (L'éclair. électr. v. 22, pp. 83-87. *Paris*, 1900.)

Aron (H.) Elektricitätszähler für Dreiphasenstrom mit vier Leitungen. (Elektrotechnische Ztschr. Jahrg. 22, pp. 215-216. *Berlin*, 1901.)

Emmet (W. L. R.) The distribution by the three-phase system and the operation of single-phase circuits by it. (Electr. World and Engineer. v. 38, pp. 985-987. New York, 1901.)

Gans (The) three-phase railway system. (Electr. World and Engineer. v. 37, pp. 433-435. New York, 1901.)

Ryan (John H.), jr. The three-wire system. (Engineer. v. 38, pp. 425-428. Cleveland, 1901.)

Russeli (Alexander). The elements of three-phase theory. (Electrician. v. 47, pp. 639-643. London, 1901.)

**Drehstromleitungen** bei Dreieckschaltung der Stromempfänger. (Elektrotechn. Ztschr. Jahrg. 23, pp. 2-5; .30-33. *Berlin*, 1902.)

Weisshaar (Oskar). Ein Beitrag zur rechnerischen Behandlung des Dreiphasen-Motordiagrammes. (Elektrotechnische Ztschr. Jahrg. 22, pp. 943-947. *Berlin*, 1901.)

#### WAVES.

Herts (H. R.) Untersuchungen ueber die Ausbreitung der elektrischen Kraft. Leipsig, 1894. 2 Aufl. 8°.

(In his Gesammelte Werke, Bd. 2.)

— Electric waves; being researches on the propagation of electric action with finite velocity through space; English tr. by D. E. Jones, preface by Lord Kelvin. *London*, 1893. 8°.

Misuno (T.) Note on tinfoil grating as a detector for electric waves. *Illus*. (Imperial univ. of Japan. College of sci. Jour. v. 9, pp. 15-25; 111-116. *Tokyo*, 1895-97.)

Ebert (C. H. R.) Magnetische Kraftfelder. Die Erscheinungen des Magnetismus, Elektromagnetismus und der Induktion dargestellt auf Grund des Kraftlinien-begriffes. 2 vols. xviii, 223 pp., 2 tables [folded]; xxviii, 2 l., pp. 229-499, I pl. Leipzig: J. A. Barth, 1896-7. 8°.

Bose (J. C.) Refraction of electric radiations, relations between index of, and the wave-

length. (Roy. Soc. Proc., vol. 60, 1896. pp. 167-178.)

Boltzmann (Ludwig). Über vermeintlich irreversibele Strahlungsvorgänge. (Kön, preuss. Akad. d. Wissensch. Sitzungsb. 1898, pp. 182-187. Berlin, 1898.)

Clermont (A.) Transmission de l'électricité par mouvements ondulatoires. (Bull de la soc. de l'indust. minerale. Saint-Etienne, 1898. 8°. ser. 3, v. 12, pp. 481-500.)

**Heen** (Pierre de). Manifestations infra-électriques dans les diélectriques. Diagrs. 4 pl. (Acad. roy. de Belgique. Bulletins, sér. 3, v. 35, pp. 191-196. *Bruxelles*, 1898.)

— Note sur le mécanisme de la décharge électrique d'un conducteur, produite par les radiations infra-électriques en général. Diagrs. (Acadroy. de Belgique. Bulletins, sér. 3, v. 35, pp. 368-375. Bruxelles, 1898.)

— Quelques observations sur les radiations infra-électriques et sur l'expérience de M. E. Villari. Diagrs. (Acad. roy. de Belgique. Bulletins, sér. 3, v. 35, pp. 784-794. *Bruxelles*, 1898.)

Willari (Emilio). Su una nota del prof. de Heen del Università di Liegi dal titolo "Quelques observations sur les radiations infra-électriques et sur les expériences de M. E. Villari. (R. accad. d. Lincei. Rendic. classe di sci. fis. sér. 5, v. 7, pt. 2, pp. 272-274. Roma, 1898.)

**Heen** (Pierre de). Quelques faits relatifs à la décharge produite par la radiation infra-électrique. Diagrs. (Acad. roy. de Belgique. Bulletins, ser. 3, v. 36, pp. 55-62. *Bruxelles*, 1898.)

Hemptinne (A. de). Actions des vibrations électriques sur quelques substances. 28 pp. (Acad. roy. de Belgique. Mém. cour. et autres mém. v. 55 [no. 5]. Bruxelles, 1896–98.)

Trowbridge (John). The waves that come from outer space. (Independent. New York, 1898. 8°. v. 50, pp. 1173-1175.)

Glew (F. H.) A demonstration with wireless electric waves for actuating photographic apparatus and for photographing lightning in daylight. 1 pl. (Photographic Jour. v. 23, pp. 179-186. *London*, 1899.)

Gutton (G.) Recherches expérimentales sur le passage des ondes électriques d'un conducteur à un autre. (Annales de Chimie & de Physique. sér 7, v. 18, pp. 5-75. Paris, 1899.)

7, v. 18, pp. 5-75. *Paris*, 1899.) **Heinke** (C.) Über Wellenströme. (Physik. Zeitschr. Jahrg. 1, pp. 8-9. *Leipsig*, 1899.)

König (Walter). Ueber Methoden zur Untersuchung langsamer elektrischer Schwingungen. (Annalen d. Physik u. Chemie. n. s., v. 67, pp. 535-562. Leipzig, 1899.)

Morton (W. B.) On the propagation of damped electrical oscillations along parallel wires. (Physical Soc. of London, Proc. v. 16, pp. 281-289. London, 1899.)

Waves, cont'd.

**Sommerfield** (A.) Ueber die Fortpflanzung elektro-dynamischer Wellen längs eines Drahtes. (Annalen d. Physik u. Chemie. *Leipsig*, 1899. 8°. n. s., v. 67, pp. 233-290.)

Tallqvist (Hjalmar). Untersuchungen über elektrische Schwingungen. 110+70 pp. Plates. (Finska vetenskaps societeten. Acta, v. 23, no 3. Helsingforsiæ, 1899.)

"Uebersicht der Litteratur über primäre elektrische Schwingungen," pp. 105-110.

**Turpain** (A.) Recherches expérimentales sur les oscillations électriques. (Mém. Soc. de. sci. Phys. & naturelles de Bordeaux. sér. 5, v. 5. pp. 97-248. *Bordeaux*, 1899.)

Abraham (Max). Elektrische Schwingungen in einem frei endigenden Draht. (Annalen d. Physik. ser. 4, v. 2, pp. 32-61. Leipzig, 1900.)

Heen (Pierre de.) Les oscillations électrostatiques produites indépendamment du phénomène de Hertz; inductance electro-statique. *Diagrams*, plate. Acad. roy. de Belgique. Bull. ser. 3, 1900, Sciences, pp. 260-270. *Bruxelles*, 1900.)

Heinke (C.) Ueber Wellenstromenergie. (Verhandl. d. Vereins zur Beforderung des Gewerbfleisses. pt. 2. Abhandl. Jahrg. 79, pp. 115–126. Berlin, 1900.)

maie (Gustay). Elektrische Wellen an zwei parallelen Drähten. (Annalen d. Physik. ser. 4, v. 2, pp. 201-249. Leipzig, 1900.)

Morton (W. B.) On some cases of propagation of electric oscillations along a number of parallel wires. (Lond., Edinb. and Dublin Philosoph. Maga. v. 50, pp. 605-616. *London*, 1900.)

Abraham (Max). Energie elektrischer Drahtwellen. (Annalen d. Physik. ser. 4, v. 6, pp. 217-241. Leipzig, 1901.)

**Bernouilli** (). A new oscillator for stationary electrical waves. (Electrician. v. 46, pp. 737-738. *London*, 1901.)

Electric wave transmission. (Engineering. v. 71, pp. 496-497. London, 1901.)

Fleming (J. A.) Electrical oscillations and electric waves. (Electrician. v. 46, pp. 514-516; 551-553; 588-591; v. 47, pp. 57-60; 180-182; 226-228; 382-383; 419-420; 446-448; 531-533. London, 1901.)

— (Jour. Soc. of Arts. v. 49, pp. 69-84; 86-95; 97-112; 113-131. *London*, 1900-01.)

— (Scientif. Amer. suppl. v. 51, pp. 21132-21133; 21140-21141; 21160-21161. New York, 1901.)

**Kiebits** (Franz). Über die elektrischen Schwingungen eines stabförmigen Leiters... Giessen. *Leipzig: J. A. Barth*, 1901. 46 pp. 1 l. 8°

Lamotte (). Recherches expérimentales sur les oscillations électriques d'ordre supérieur. (Annales de Chimie & de Physique. sér. 7. v. 24, pp. 205-287. *Paris*, 1901.)

—— (Jour. de Physique thèor & appli. sér. 3, v. 10, pp. 589-597. Paris, 1901.)

Langedorf (A. S.) A graphical method for analyzing distorted alternating current waves. (Phys. Rev. v. 12, pp. 184-190. Lancaster, Pa., 1001.)

**Lindman** (Karl F.) Experimentaluntersuchung über die Metallreflexion der elektrischen Schwingungen. (Annalen d. Physick. ser 4, v. 4, pp. 617-637. *Leipsig*, 1901.)

Love (Augustus Edward Hough). The integrations of the equations of propagation of electric waves. *Illus*. (Roy. soc. of London. Philos. trans. v. 197, ser. A, p. 1-45. *London*, 1901.)

Pellat (H.) Sur un phénomène d'oscillation électrique. (Jour. de Phys. théor & appli. sér. 2, v. 10, pp. 471-475. *Paris*, 1901.)

Pierce (George). Indices of refraction for electric waves, measured by a modified radio-micrometer. (Lond., Edinb. & Dublin Philosoph. Maga. & Jour. of Sci. v. 51 (ser. 6, v. 1), pp. 179-198. London, 1901.)

— Note on the double refraction of electric waves. (Lond., Edinb. & Dublin Philosoph. Maga. & Jour. of Sci. ser. 6, v. 1, pp. 548-551. London, 1901.)

**Pupin** (Michael Idvorsky). Electrical wave-transmission. (Technology quarterly, v. 14, pp. 89-91. *Boston*, 1901.)

— Wave-transmission over non-uniform cables and long-distance air-lines. [With discussion.] (Transac. Amer. Inst. Electr. Engineers. v. 17, pp. 445-512. New York, 1901.)

**Seibt** (Georg). Zur Theorie des Multiplikators für schnelle elektrische Schwingungen. (Elektrotech Ztsch. Jahrg. 22 (1901), pp. 580-584. Berlin 1901.)

Sundell (A. F.), and Tallqvist (Hj.) Ueber das Decrement elektrischer Schwingungen bei der Ladung von Condensatoren. (Annalen der Physik. ser. 4, v. 4, pp. 72-98. *Leipsig*, 1901.)

**Becker** (August). Interferenzröhren für elektrische Wellen. (Annalen d. Physik. ser. 4, v. 8, pp. 22-62. *Leipzig*, 1902.)

Bumstead (Henry A.) On the reflection of electric waves at the free end of a parallel wire-system. (Amer. Jour. of Sci. v. 14, pp. 359-362. New Haven, 1902.)

Chant (C. A.) An experimental investigation into the "skin"-effect in electrical oscillators. (Lond., Edinb. & Dublin Philosoph Maga. ser. 6, v. 3, pp. 425-444. London, 1902.)

Lamotte ( ) Sur les oscillations électriques d'ordre supérieur. (L'Éclairage électrique. v. 30, pp. 337-341. Paris, 1902.)

Lindman (Karl F.) Ueber stationäre elektrische Wellen. (Annalen d. Physik. ser. 4, v. 7, pp. 824-850. *Leipsig*, 1902.)

Pollock (J. A.), and Vonwiller (O. U.) Some experiments on electric waves in short wire systems, and on the specific inductive capacity of a specimen of glass. (Lond., Edinb. & Dublin Philosoph. Maga. ser. 6, v. 3, pp. 586-606. London, 1902.)

**Schmidt** (K. E. F.) Frequenzbestimmung langsamer elektrischer Schwingungen. (Annalen d. Physick. ser. 4, v. 7, pp. 225-236. *Leipzig*, 1902.)

Waves, cont'd.

Wildermuth (Karl). Ueber die Absorption elektrischer Schwingungen in Flüssigkeiten. (Annalen d. Physik. ser. 4, v. 8, pp. 212-226. Leipsig, 1902.)

## — Velocity.

Gould (B. A.) The velocity of the galvanic current in telegraph wires, in a report to Prof. A. D. Bache. New Haven, 1851. 8°.

Webster (Arthur Gordon). An experimental determination of the period of electrical oscillations. I pl. (Physical Rev. *New York*, 1898. 8°. v. 6, pp. 297-314.)

Cole (A. D.) The measurement of short electrical waves and their transmission through water cells. (Physical Rev. *New York*, 1898. 8°. v. 7, pp. 225-230.)

MacLean (G. V.) Velocity of electric waves in air. (London, Edinburgh and Dublin Philosoph. Maga. and Jour. of Sci. v. 48, pp. 115-131. London, 1899.)

Cohen (). Sur la vitesse de réaction électrique. (L'éclairage électr. v. 21, pp. 456-463. Paris, 1899.)

Barkla (Charles G.) The velocity of electric waves along wires. (Lond., Edinb. and Dub. Philosoph. Maga. and Jour. of Sci. ser. 6, v. 1, pp. 652-667. London, 1901.)

## Hertzian Waves.

**Righi** (Auguste). Les ondes Hertziennes. (Congrès internat. de physique, 1900. Rapports. v. 2, pp. 301-324. *Paris*, 1900.)

Gaitler (Josef), Ritter von. Notiz über complicirte Erreger Hertz'scher Schwingungen. Illus. (Kais. Akad. d. Wissensch. Math-naturwiss. Classe. Sitzungsb. v. 107, pt. 2a, pp. 869–880. Wien, 1898.)

—— (Annalen der Physik und Chemie. *Leipzig*, 1898. 8°. n. s., v. 66, pp. 999-1008.)

Hofe (C. [H.] von). \*Ueber die von planparallelen Schichten elektrolytischer Substanz durchgelassene und reflektierte Intensität Hertz'scher Wellen. Berlin: J. Sittenfeld, 1898. 36 pp., 2 l. 4 tab. 8°.

Holsmueller (). Ueber die Hertzschen elektrischen Schwingungen und die damit zusammenhängende Reform der Physik. (Zeitschr. d. Vereines deutsch. Ingenieure. *Berlin*, 1898. 4°. v. 42, pp. 629-636.)

**Tesla's** (Mr.) Application of Hertz-wave transmission. (Electrical World. *New York*, 1898. F°. v. 32, p. 527.)

Murani (Oreste). Studio delle onde stazionarie di Hertz col mezzo di un coherer. (Rendiconti Ist. Lomb., serie 2, v. 31, pp. 995. *Milano*, 1898.)

**Branly** (Édouard). Une enveloppe métallique ne se laisse pas traverser par les oscillations hertziennes. (Jour. de physique théorique et appliquée. *Paris*, 1899. 8°. sér. 3, v. 78, pp. 24-27.)

—— Absorption des radiations hertziennes par les liquides. (Jour. de physique. sér. 3, v. 9, pp. 144–149. *Paris*, 1900.)

**Pearson** (Karl), and **Lee** (Alice). On the vibrations in the field round a theoretical Hertzian oscillator. Illus. plates. (Roy. Soc. of London. Philos. trans. v. 193, ser. A, pp. 159-188. London. 1990.)

Gutton (C.) Sur la propagation des oscillations hertziennes dans l'eau. (Jour. de physique théor. & appli. sér. 3, v. 10, pp. 752-756. Paris, 1901.)

Poincaré (H.) Sur les excitateurs et résonateurs hertziens. (L'éclair. électr. v. 29, pp. 305-307. Paris, 1901.)

— La théorie de Maxwell et les oscillations Hertziennes. [Chartres: Durand, 1901?] 80 pp. 8°. (Scientia. Série physico-mathématique.)

Jackson (H. B.) On some phenomena affecting the transmission of electric waves over the surface of the sea and earth. (Electrical Rev. v. 51, pp. 297-299; 365-366. London, 1902.)

WIRING, CABLES, CONDUITS, ETC.

Vivares (H.) Los hilos de cobre y de bronce silizosos en los transmissiones eléctricas...lectura...traducida por G. Crespo y Martinez. *Mexico*, 1884. pm. 8<sup>5</sup>.

**Boston** (Mass.)—Aldermen, Board of. Majority and minority reports of the committee of the whole board of aldermen on the matter of granting the right to Henry E. Cobb, and others, to lay underground conduits for electric wires in the streets of Boston. n. l. p. 1888. xi, 133 pp. 8°. (Doc. 56.)

Russell (S. A.) Electric light cables and the distribution of electricity. *London*, 1892. 12°. (The specialists' series.)

United States.—Electrical Commission of the District of Columbia. Report of the electrical commission appointed to consider the location, arrangement and operation of electrical wires in the District of Columbia. Washington: Gout. Prig. Office, 1892. 151 pp. 37 plans, 20 pl. cl. 8°. (52. Cong., 1 sess. H. ex. doc. 15.)

Cushing (H. C.), jr. Standard wiring for electric light and power as adopted by fire underwriters throughout the United States... New York [c. 1894]. 93 pp. 12°.

Noll (A.) How to wire buildings. 2 ed. New York: C. C. Shelley, 1894. 8°.

**Drude** (P.) Zur Theorie stehender elektrischer Drahtwellen. (Kön.-Sächs, Gesellsch. d. Wiss. Abhandl. 1896.)

**Peschel** (A.) Hilfsbuch fuer die Montage elektrischer Leitungen zu Beleuchtungs zwecken. Fuer Elektrotechniker, Monteure und Installateure zur praktischen Anlage und Behandlung des Leitungsmaterials. vi, 234 pp. ill. *Leipzig: O. Leiner*, 1896. F°.

**Robb** (R.) Electric wiring for the use of architects, underwriters, and the owners of buildings. vii, 183 pp., ill. New York: Macmillan & Co., 1896. sq. 8°.

Wietz (H.) Die isolierten elektrischen Leitungsdrähte und Kabel; ihre Erzeugung, Verlegung und Unterhaltung . . . Leipzig: O. Leiner, 1897. viii, 236 pp. 8°.

Appleyard (Rollo). The failure of german silver and platinoid wires [used for electrical wires]. (Philos. Mag. and Jour. of Science. ser. 5, v. 45, pp. 157-163. London, 1898.)

Wiring, cont'd,

Boston (Mass.)-Wire Department. Annual report (1897-1900). 4[-7.] Boston, 1898-1901. 8°.

Brophy (William). History of the solution of the wire problem in Boston. (City Government. New York, 1898. 4°. v. 5, pp. 26-30.)

Design (The) of piping for electric power houses. (Engineering Rec. New York, 1898. F°. ▼. 39, pp. 54-57.)

Bathurst (Fred.) Electric wiring practice. (Proc. Incorp. Assoc. of Municipal and County Engineers. London, 1899. 8°. v. 24, pp. 109-

Entwurf zu Sicherheitsvorschriften für elektrische Mittelspannungs-Anlagen. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 348-352. Berlin, 1899.)

Fennell (W.) Electric lighting undertakers and house wiring. (Electr. Engineer. (o. s., v. 30.) n, s., v. 24, pp. 262-263. London, 1899.)

Juellig (Max). Ueber die mechanische Beanspruchung elektrischer Luftleitungen, welche auf ungleich hohen Stützen ruhen. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 886-889. Berlin, 1899.)

Leaf (H. M.) The internal wiring of buildings. Westminster: A. Constable & Co., 1899. 4 p. l., 198 pp. 12°.

Lohmann (R. W.) Interior alternating current wiring. (Electr. World and Engineer. v. 34, pp. 612-614. London, 1899.)

Maycock (W. P.) Electric wiring, fittings, switches and lamps . . . London : Whittaker & Co., 1899. xvi, 446 pp., 4 pl. 16°.

The wiring rules of the Institution of Electrical Engineers

are incorporated herewith.

O'Gorman (Mervyn). Concentric wiring. (Electr. World and Engineer. v. 34, pp. 228-231. New York, 1899.)

Pigg (J.) Rules for the regulation of the wiring of premises for connection to public supply mains. (Electrical Engineer. London, 1899. 4. n. s., v. 23, pp. 138-139; 172-175; 202-203.)

- Rules for the regulation of the wiring of premises for connection to public supply mains. (Jour. Institut. of Electr. Engineers. v. 28, pp. 122-165. London, 1899.)

Reed (Warren B.), and Reed (Lyman C.) Protection of interior wiring from high potential currents. (Electr. World and Engineer. v. 34, pp. 649-651. New York, 1899.)

Teichmueller (J.) Die elektrischen Leitungen. Ein Lehrbuch für Studierende. Teil I. Stuttgart: F. Enke, 1899. I v. 4°.

[Brophy (W.)] [Report to the mayor of an investigation of the operations of the Electrical Construction Division of the Public Buildings Department, advising its discontinuance.] n. t. p. [1900.] 16 ff. 4°. (Boston Wire Dept.)

Typewritten.

Crackanthorpe (Montague). The dangers of electric wiring. (Amer. Architect and Building News. v. 67, pp. 21-22. Boston, 1900.)

General Electric Co., Schenectady, N. Y. Instruction book, no. 8,148. The Edison three-wire system. Schenectady, N. Y., 1900. 1 p. l., 5-60 pp. 12°.

Hanappe (Saturnin). Application de la méthode graphique à l'étude des principales canalisations à courante alternatifs et polyhasés. (Rev. univers. des mines. sér. 3, v. 51, pp. 42-69. Liège, 1900.)

- (L'éclairage électr. v. 22, pp. 241–249; 283-289. Paris, 1900.)

Herzog (Josef), and Feldmann (Clarence). Ueber die Erwärmung elektrischer Leitungskabel. (Elektrotechnische Ztsch. Jahrg. 21, pp. 783-788. Berlin, 1900.)

Keasbey (E. Q.) The laws of electric wires in streets and highways. Chicago: Callaghan & Co., 1900. xliv, 358 pp. 2. ed. 8°.

Liègeois (Édouard). Abaques pour le montage des lignes électriques aériennes. (Génie civil. v. 37, pp. 25-27. Paris, 1900.)

Maver (William), jr. Electric cables for hightension service. (Cassier's Maga. v. 18, pp. 467-479. New York, 1900.)

Olivetti (Camillo). Sugli apparecchi industriali a filo caldo. (Atti dell'assoc. elettrotecn. italiana. v. 4, pp. 202-209. Torino, 1000.)

) La protection des lignes télégraphiques et téléphoniques contre les conducteurs à haut potentiel. (Bull. mensuel de la soc. belge d'électriciens. v. 17, pp. 279-286. Bruxelles, 1900.)

Practical notes on electric mains. By a mains engineer. (Electr. Engineer. v. 32 (n. s., v. 26), pp. 726-727; 839-841; 872-873; 905-906; v. 33 (n. s., v. 27), pp. 42-43; 78-79; 114-115; 188-190; 371-373; 451-453; 589-590. London, 1900-'01.)

**Broadbent** (F.) Notes on wiring rules. 7 tab. (Jour. Inst. of Electr. Engineers. v. 30, pp. 1130-1150. London, 1901.)

-(Electrician. v. 46, pp. 940-942. London, 1901.)

Carpenter (R. C.) Holding capacity of anchors for electric wiring poles. I pl. (Sibley Jour. of Engineering. v. 15, pp. 293-297. Ithaca, 1901.)

Consumers' (The) department of a central station. (Electr. Engineer. v. 33 (n. s., v. 27), pp. 510-514. London, 1901.)

Crehore (A. C.) Currents and potentials on submarine cables produced by sine-wave electromotive forces. (Phys. Rev. v. 12, pp. 340-352. Lancaster, Pa., 1901.)

Donner (W. H.) Wiring for electric light. (Sci. and Industry. v. 6, pp. 349-350. Scranton, Pa., 1901.)

Electric cable making in Great Britain and on the continent. (Cassier's Maga. v. 20, pp. 194-208. New York, 1901.)

Hopewell (Charles F.) The practicability of placing high and low-potential wires in separate ducts in a combined conduit system. (Electr. Rev. v. 39, pp. 763-764. New York, 1901.)

Jamieson (Andrew). Dangers from trolley wires and their prevention. (Engineering. v. 72, pp. 500-502. London, 1901.)

) Note sur l'établissement des Loppé ( canalisations aériennes. (Bull. Soc. internat. d. électriciens. sér. 2, v. 1, pp. 455-484. Paris, 1901.) Wiring, cont'd.

**Perrine** (F. A. C.), and **Baum** (F. G.) The use of aluminium line wire and some constants for transmission lines. [With discussion.] (Transac. Amer. Inst. Electr. Engineers. v. 17, pp. 345-384. New York, 1901.)

Quin (The) patent safety device for protecting overhead trolley wires. (Electr. Engineer. v. 33 (n. s., v. 27), pp. 330-332. London, 1901.)

Schaefer (Oscar). High-tension cables. (Electrician. v. 48, pp. 178-180. *London*, 1901.)

Sprague Electric Company, New York. Interior conduit. Catalogue 404. [New York: the Company, 1901.] 144 pp. sq. 8°.

Trolley wire protection in Santiago de Chile. (Electr. Rev. v. 49, pp. 502-503. London, 1901.)

Wordingham (C. H.) Wiring rules. (Electrician. v. 48. pp. 84-85. London, 1901.)

Burne (Oldbury). Some hints on overhead construction. (Journ. Inst. of Electr. Engineers. v. 31, pp. 420-427. *London*, 1902.)

Charpentier (). Note sur les essais des cables électriques. (Bull. Soc. internat. d. électriciens. sér. 2, v. 2, pp. 204-234. Paris, 1902.)

Clinton (W. C.) Electric wiring: a primer . . . London: J. Murray, 1902. viii, 179 pp. 12°. Murray's home and school library.)

Conduits for telephone work. General contract and specifications. (Electr. World and Engineer. Suppl., June 21. v. 39, pp. 1123-1134. New York, 1902.)

**Determining** wire sizes for alternating current motor circuits. (Amer. Electrician. v. 14, pp. 292-295. *New York*, 1902.)

**Discussion** sur les canalisations électriques. (Bull. soc. internat. d. électriciens. sér. 2, v. 2, pp. 104–135. *Paris*, 1902.)

Fletcher (G. E.) Air-speed cables: their treatment and use. (Practical Engineer. v. 25, pp. 488-490. London, 1902.)

Gesing (P.) Praktische und schnelle Berechnung der Widerstandsregulatoren für Lichtleitungen. (Elektrotechn. Ztschr. Jahrg. 23, pp. 293–294. *Berlin*, 1902.)

Holitscher (Paul). Ueber die Raumausnutzung von Litzen. (Elektrotech. Ztsch. Jahrg. 23, pp. 673-675. Berlin, 1902.)

Loppé (). Note au sujet de la détermination des portées des lignes aériennes. (Bull. Soc. internat. d. électriciens. sér. 2, v. 2, pp. 237-241. Paris, 1902.)

Savage (H.) Methods of eliminating corrections for the leads, etc., in cable testing. (Electr. Rev. v. 50, pp. 86-88; 124-125. London, 1902.)

**Sengel** (A.) Beitrag zur Berechnung von Speiseleitungen elektrischer Bahnanlagen. (Elektrotechn. Ztschr. Jahrg. 23, pp. 335-338. *Berlin*, 1902.)

--- Ueber Sicherungen in verzweigten Leitungsanlagen. (Elektrotechn. Ztschr. Jahrg. 23, pp. 381-383. Berlin, 1902.)

Sochinski (Bruno). Einige Konstruktionen zur graphischen Berechnung von Leitungsnetzen. (Elektrotechn. Ztschr. Jahrg. 23, pp. 359-362. Berlin, 1902.)

• Ward (John C. A.) Practical notes on continuous-current distributing mains. (Jour. Inst. of Electr. Engineers. v. 31, pp. 833-852. *London*, 1902.)

## Underground Wiring, etc.

Franklin Institute of the State of Pennsylvania. International electrical exhibition. 1884. Report of examiners of Section xviii, (Sect. ii, class iv of the catalogue). Underground conduits. Philadelphia, 1885. pm. 8°.

Vallée (A.) Conduite souterraine à rainure latérale. (Rev. tech. année 23, pp. 151-155. Paris, 1902.)

Baltimore (Md.)—Electrical Commission. Report... on a general subway system to be owned by the city of Baltimore. [Baltimore: Press of the J. D. Lucas Prig. Co., 1896.] 197 pp. 38 diagrs. in pocket. 8°.

**Picou** (R. V.) Canalisations électriques, lignes aériennes industrielles. *Paris: Gauthier-Villars* [1898?]. 172 pp. 12°. (Encyclopédie Scientifique des aide-mémoire. [Section de l'ingénieur.])

Ferguson (L. A.) Underground electrical construction. (Electr. World and Engineer. v. 33, pp. 877-878. New York, 1899.)

Sewall (C. H.) Underground conduits for electrical conductors. (Electr. Engineering and Telephone Maga. v. 14, pp. 190-195. Chicago, 1899.)

**Brown** (Wardell E.) Underground electrical construction for light and power. (Sci. and Industry. v. 6, pp. 81-88; 122-128. Scranton, 1901.)

Harris (W. R.) Underground conduit construction. (Amer. Telephone Jour. v. 6, pp. 37-40. New York, 1902.)

Jackson (George W.) Scope, extent and construction of the underground conduits of the Illinois Telephone and Telegraph Co. in Chicago. 3 pl. (Jour. West. Soc. of Engineers. v. 7, pp. 479-500. *Chicago*, 1902.)

Stewart (A. T.) Underground cable laying. (Electr. Engineer. v. 36 (n. s., v. 30), pp. 152-155. London, 1902.)

### SECTION IV.

## APPLICATIONS.

### HISTORY.

Finlaison (John). An account of some remarkable applications of the electric fluid to the useful arts, by A. Bain, with a vindication of his claim to be the first inventor of the electro-magnetic

printing telegraph, and also of the electro-magnetic clock. London: Chapman & Hall, 1843. 2 p. l. 127 pp., 4 diag. 8°.

Klasen (L.) Die Entwicklung der Elektrotechnik zu ihrer gegenwärtigen Ausgestaltung . . . Wien: Spielhagen & Schurich, 1901. 3 p. L, 107 pp. 8°.

Applications, History, cont'd.

Badoureau (A.) L'électricité et ses applica-tions depuis 1881. (Rev. scientifique. Paris, 1898. 46. sér. 4, v. 10, pp. 769-776.)

Elektrotechnik (Die) in Frankfurt am Main. Festschrift zur 6. Jahresversammlung des Verbandes deutscher Elektrotechniker in Frankfurt a. M. 2-5 Juni, 1898. Frankfurt a. M.: Gebrüder Knauer, 1898. 1 p. l., v. 1 l., 251 pp., 6 plans, 22 pl. 4°.

Reyval (J.) Le développements des applications de l'électricité en 1899. (L'éclairage électr. v. 22, pp. 92-96. Paris, 1900.)

### GENERAL WORKS.

**Du Moncel** (T. A. L.) Exposé des applica-tions de l'électricité. 2e éd. *Paris*, 1856-57. 3 v. pl. 8°.

Gloesener (M.) Traité général des applica-tions de l'électricité. Paris, 1861. v. 1. 8°.

Kuhn (Carl). Handbuch der angewandten Elektricitätslehre; mit besonderer Berucksichtigung der theoretischen Grundlagen. (KARSTEN, G. Allg. Encyk. d. Phys., v. 20.) Leipzig, 1866. il. pl. 8°.

Baille (J.) L'électricité. (BIBL. d. merv.) Paris, 1868. pl. il. 12°.

- Wonders of electricity. Translated from the French; edited with numerous additions by J. W. Armstrong. New York: Scribner, Armstrong & Co., 1872. 12°.

**Du Moncel** (T. A. L.) Exposé des applications de l'électricité. 3 ed. *Paris*, 1872-78. 5 v. 8°.

Prescott (George Bartlett). The speaking telephone, electric light, and other recent electrical inventions. New York: D. Appleton & Co., 1879. 1 p. l., ii, 1 l., 612 pp., 1 pl. 8°.

Hospitalier (É.) La physique moderne; Les principales applications de l'électricité. 2. ed. Paris, 1882. 8°.

- Modern applications of electricity; translated and enlarged by Julius Maier. New York, 1882. 8°.

Grollet (Camille). L'électricité: ses applications pratiques. Paris, 1883. 16°.

Hauck (W. Ph.) Die Grundlehren der Elektricität, mit besonderer Rücksicht auf ihre Anwendungen in der Praxis. Wien, 1883. 12°. (Elektrotechnische Biblio., Band 9.)

Dynamic electricity; its modern use and measurement, chiefly in its application to electric lighting and telegraphy: including:—I. Hopkinson (John). Some points in electric lighting. II. Schoolbred (James N.) On the measurement of electricity for commercial purposes. III. Day (R. E.) Electric light arithmetic. New York, 1884. 16°. (Van Nostrand's science series.)

Schwartze (T.), Japing (E.), and Wilke (A.) Die Elektricität; eine . . . Darstellung der Grundgesetze; sowie der Anwendungen der Elektricität zur Kraftübertragung, Beleuchtung, Galvanoplastik, Telegraphie und Telephonie. Wien: A. Hartleben, 1884. 159 pp. 8°.

Cadiat (E.), and Dubost (L.) Traité pratique d'électricité industrielle. Paris, 1885. 8°. Figuier (G. L.) L'électricité. Paris: Lib. illustrée [1885?]. 1 l., ili, 644 pp. 4°. (Les nouvelles conquêtes de la science. v. 1.)

Fiske (B. A.) Electricity in theory and practice; or, The elements of electrical engineering. 3. ed. New York, 1884. 8°.

Hospitalier (É.) L'électricité dans la maison. Paris, 1885. 8°. (Biblio. de la nature.)

Urbanitzky (Alfred von), Ritter. Electricity in the service of man . . . Edited with copious additions by R. Wormell. With an introduction by John Perry. London. Cassell & Co., 1886. xxx. 1 l., 859 pp. 8°.

Electricity in the service of man... the

applications of electricity in modern life; from the German . . . ed. . . . by R. Wormell . . . London, 1890. 8°.

Neumayer (A.) Die Laboratorien der Elektro-Technik und deren neuere Hilfsapparate ... Wien, 1887. 12°.

(Elektro-tech. Bibl., Bd. 33.) Rohrbeck (E.), and Nippoldt (W. A.) Vademecum für Elektrotechniker . . . . Halle a. Salle : W. Knapp [1887-94]. 7 v. 16°. (Jahrgang des Kalenders für Elek. techn. 4-10.)

Fiske (Bradley A.) Electricity in theory and

practice; or, The elements of electrical engineering. 5. ed. 270 pp., 5 pl. New York: D. Van Nostrand, 1888. 8°.

Krebs (Adolph). Elemente der Electrotechnik. (In his Lehrbuch der Induktionselektricität. Stuttgart, 1889. 8°. pp. 187-295.)

Beaumont (W. W.) [and others]. Practical electrical engineering. A complete treatise on the construction and management of electrical apparatus as used in electric lighting and the electric transmission of power. London: Biggs & Co. [189-]. 2 v. 4°.

Kennelly (A. E.), and Wilkinson (H. D.) Practical notes for electrical students. v. 1. London, 1890. 8°. (Electrician series.)

Maycock (W. P.) Practical electrical notes and definitions . . . 2. ed. London, 1890. 48°.

Tunselmann (G. W. de). Electricity in modern life. London [1890]. 12°. (Contemp. sci. ser. 2.)

Walker (S. F.) Electricity in our homes and workshops. 2. ed. London, 1890. 16°.

Brackett (C. F.), and others. Electricity in daily life: a popular account of the applications of electricity to everyday uses. New York, 1891. 8°.

Desmond (C.) Electricity for engineers. Rev. ed. Chicago, 1891. 2 v. in 1. 12°

Slingo (W.), and Brooker (A.) Electrical engineering for electric light artizans and students ... new ed. London, 1891. 12°.

London: Longmans, Green & Co., 1898. vi, 2 l., 780 pp. rev. and enlarg. ed. 12°.

Ayrton (W. E.) Practical electricity . . . 6. ed. London, 1892. 12°.

Grawinkel (C.), and Strecker (K.) Hilfsbuch für die Elektrotechnik . . . 3. Aufl. Berlin: Jules Springer, 1893. x, 642 pp. 12°.

– — Berlin: J. Springer, 1898. x, 696 pp. 5. ed. 8°.

Applications, General Works, cont'd.

Kittler (E.) Handbuch der Elektrotechnik. 1. Bd., 2. Aufl. Stuttgart, 1892. 8°.

Minel (P.) Introduction à l'électricité industrielle. Paris [1893]. 2 v. 12°.

(Encycl. sci. d. aide-mémoire. Sect. de l'ingén.)

Munro (J.), and Jamieson (A.) A pocket book of electrical rules and tables . . . 9, ed. London, 1893. obl. 48°.

Bahia (M. B.) Curso de electrotecnica de la Escuela Profesional Superior. v. 6. Buenos Aires: Compañia Sud. Amer. de Billetes de Banco. 1894. 8°

(Argentine Republic. Direc. Gen. de Correos y Telegrafos.)

Crocker (F[rancis] B.), Benedikt (W. M.), and Ormsbee (A. F.) Electric power in factories and mills. A paper presented at the twelfth general meeting of the American Institute of Electrical Engineers. . . 1895. (With discussion.) n. p. [1895?] pp. 297-323. 8°.

Repr. Transactions Amer. Inst. Electr. Eng., v. 12.

Ferguson (Louis A.) Electrical engineering in modern central stations. (In: University of Wisconsin. Bulletin. Engineering series. *Madison*, 1896. 8°. v. 1, pp. 227-259.)

Macdonald (J. H. A.) On electricity in the dwelling. (Roy. Scottish Soc. of Arts. Trans. v.14, pp. 93-136. *Edinburgh*, 1896.)

Créchet (C.) L'énergie électrique; notions élémentaires d'électricité industrielle... Paris: B. Tignol [1897]. viii, 334 pp. 8°.

Erhard (T.) Einsührung in die Elektrotechnik: die Erzeugung starker elektrischer Ströme und ihre Anwendung zur Krastübertragung. Leipzig: J. A. Barth, 1897. vi, 183 pp. 8°.

Feussner (K.) Die Ziele der neueren elektrotechnischen Arbeiten der Physikalisch-Technischen Reichsanstalt, pp. 115-146. Stuttgart: F. Enke, 1897. 4°.

(Samm-elektro.-tech. Vort. Bd. 1. 3 Hft.)

Graetz (L.) Die Elektricität und ihre Anwendungen; ein Lehr- und Lesebuch. 6. Aufl. xxii, 556 pp. ill. Stuttgart: J. Engelhorn, 1897. 8°.

— Stuttgart: J. Engelhorn, 1898. xii, 584 pp. 7. ed. 8°.

Sammlung elektrotechnischer Vorträge... hrsg. von E. Voit. 1 Bd. 1-8 Heft. Stuttgart: F. Enke, 1897-98. 4°.

**Graffigny** (H. de). Industrial electricity, translated... and edited by A. G. Elliott. *London: Whittaker*, 1898. viii, 152 pp. 12°.

(Electro-mechanical ser. v. 1.)

Hoppe (O.) Elementarer praktischer Leitfaden der Elektrotechnik in technisch-wissenschaftlichem Zusammenhange mit der Maschinen- Berg- und Hütten-Technik, aufgebaut auf der technischen Mechanik als der gemeinsamen Grundlage für das Gesamtgebiet der Technik und der erklärenden Naturwissenschaften für Techniker und Nichttechniker. Essen: G. D. Baedeker, 1898. xiv, 175 pp.

**Richard** (G.) Applications mécaniques de l'électricité. (L'éclairage électrique. v. 16, pp. 497-504; v. 17, pp. 261-271; v. 18, pp. 281-290; v. 19, pp. 15-23, 481-489; v. 20, pp. 81-89, 241-253; v. 21, pp. 361-368; v. 22, pp. 328-336; v. 25, pp.

143-150; v. 26, pp. 205-212; v. 27, pp. 103-112; v. 29, pp. 41-48; v. 31, pp. 413-423. *Paris*, 1898-1902.)

Schmidt (Dr. K. E. F.) Experimental-Vorlesungen über Elektrotechnik für Mitglieder der Eisenbahn- und Post-Verwaltung, Berg- und Hüttenbeamte, Angehörige des Baufaches . . . Halle a S.: W. Knapp, 1898. viii, 430 pp., 1 l., 3 tab. 8°.

Wilke (A.) Die Elektrizität, ihre Erzeugung und ihre Anwendung in Industrie und Gewerbe allgemeinverständlich dargestellt. 3. Aufl. *Leipzig:* O. Spamer, 1898. vii, 637 pp. 8°.

Ferraris (G.) Lezioni de elettrotecnica dettate nel R. Museo Industriale Italiano in Torino. Vol. I. Torino: Roux Frassati e Co., 1899. I v. 8°.

Janet (P.) Premiers principes d'électricité industrielle. Piles, accumulateurs, dynamos, transformateurs. Paris: Gauthier-Villars, 1899. x, 280 pp. 3. ed. 8°.

**Vogel** (W.) Die Elektrizität in Gewerbe und Industrie. Grundzüge für die Praxis über den Ausbau und den Betrieb elektrischer Licht- und Kraftanlagen. *Leipzig: B. F. Voigt*, 1899. viii, 136 pp. 8°.

Abbott (Arthur Vaughan). Electrical engineering for architects. (Inland Architect. Suppl. v. 34, pp. 17-23. January, 1900. *Chicago*, 1900.)

General Electric Company. Industrial applications of electricity. Schenectady, N. Y.: Gen. Elect. Co., 1900. 50 pp. 4°.

Graets (L.) Die Elektricität und ihre Anwendungen. Stuttgart: J. Engelhorn, 1900. xiv, 590 pp. 8. ed. 8°.

Janet (P.) Leçons d'électrotechnique générale, professées à l'Ecole supérieure d'électricité. Paris: Gauthier-Villars, 1900. ix, 614 pp. 4°.

Note sur l'enseignement de l'électricité industrielle à l'universite de Grenoble. (Rev. internat. de l'enseignement. v. 39, pp. 28-32. *Paris*, 1900.)

**Pechan** (J.) Leitfaden der Elcktromaschinentechnik mit besonderer Berücksichtigung der elektrischen Beleuchtung für Vorträge sowie zum Selbstunterricht für angehende Elektrotechniker, Maschinenwärter, Mechaniker... Leipzig: F. Deuticke, 1900. iv, 11., 242 pp. 2. ed. 8°.

**Perry** (John). Is electrical engineering to remain a profession, or is it to become a trade? (Jour. Inst. of Electr. Engineers. v. 30, pp. 45-71. *London*, 1900.)

**Prece** (Sir W. H.) The relations between electricity and engineering. Being the "James Forrest" lecture... London: Inst. Civ. Eng., 1900, 20 pp. 8°.

Excerpt: Proc. Inst. Civ. Eng. v. 142, pt. 4.

Ferraris (Galileo). Wissenschaftliche Grundlagen der Elektrotechnik... Deutsch hrsg. von L. Finzi. Leipzig: B. G. Teubner, 1901. xii, 358 pp. 8°.

Nicolson (John T.) On the training of electrical engineers. (Jour. of the Inst. of Electr. Engineers. v. 30, pp. 773-786. *London*, 1901.)

Stoeckhardt (E.) Lehrbuch der Elektrotechnik. Zum Gebrauche beim Unterricht und zum Selbststudium. Leipsig: Veit & Co., 1901. •xiv, 386 pp. 8°.

Applications, General Works, cont'd.

Vivarez (H.) Les phénomènes électriques et leurs applications... Paris: G. Carré & C. Naud, 1901. vi, 574 pp., 1 l., 1 map. 8°.

(Bibliothèque technologique.)

Walsh (George E.) Bleaching by electricity. (Electr. Rev. v. 38, p. 752. New York, 1901.)

Behrend (B. A.) Alternating current engineering. (Cassier's Maga. v. 22, pp. 61-78. New York, 1902.)

Elektrotechnischen (Die)' Lehrinstitute Deutschlands... Steglitz-Berlin: Litterarische Monatsbericht, 1902. 48 pp. 8°.

Osborne (Marshall). The lighting and driving of textile mills by electricity. (Jour. Inst. of Electr. Engineers. v. 31, pp. 1273-1280. London, 1902.)

**Turpain** (Albert). Les applications pratiques des ondes électriques. Télégraphie sans fil. Télégraphie avec conducteur. Éclairage commande à distance. *Paris: C. Naud*, 1902. 2 p. l., 412 pp. 8°. (Bibliothèque technologique.)

## Austria-Hungary.

Honigmann (Emil). Die Lage der Starkstromindustrie in Oesterreich-Ungarn. Ein Rückblick aufs Jahr 1899. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 115-120. *Berlin*, 1900.)

## Cape of Good Hope.

Cape of Good Hope.—Treasury Department. Report of the government electrician and inspector under the electric lighting and power act of 1895. Cape Town, 1897. F°. (G. 71-'97.)

## China.

**Crocker** (F. B.) Electrical notes in China. (Electr. World & Engineer. v. 33, pp. 842-843, 876-877; v. 34, pp. 10-11, 53-54. *New York*, 1800.)

# Germany.

Entwicklung (Die) der Elektrotechnik in Deutschland. (Archiv f. Post u. Telegraphie. no. 15, pp. 697-706. *Berlin*, 1899.)

Entwickelung (Die) elektrotechnischen Industrie in Deutschland. (Schilling's Jour. f. Gasbeleuchtung. Jahrg. 44, pp. 117-118. München, 1901.)

**Kaiser** (Carl). The prosperity of the electrical industry in Germany. (Electr. Rev. v. 36, pp. 131-132. *New York*, 1900.)

### Great Britain.

Electrical development in the United Kingdom. (Engineer. v. 89, pp. 223-224. London, 1900.)

### Italy.

**Bignami** (Enrico). Electrical progress in Italy during 1899. (Electr. Rev. v. 36, pp. 235-236. *New York*, 1900.)

#### Mexico.

Mexico.—Ministeria de Fomento. Noticia sobre las aplicaciones de la electricidad en la republica Mexicana. Mexico, 1889. 172 pp., 34 plans. 8°

Arispe (Rafael R.) Estadistica de la aplicaciones de la electricidad en la republica Mexicana. México: J. A. Vera y Ca., 1900. 2 p. l., 7-160

pp., 1 l. hf. lea. 8°. (Mexico. Expos. Univ. e Internac. de Paris en 1900, Comision Mex. para la.)

#### Russia.

Lodian (L.) Gas and electricity in Russia and Siberia. (Plumbers' Trade Jour. v. 27, pp. 206-208. *New York*, 1900.)

#### South America.

King (Charles P.) The status of the electrical industry in South America. (Electr. Rev. v. 36, pp. 237-238; 270-271. New York, 1900.)

### United States.

Guilbert (C. F.) American electrical engineering standardization. (Electr. World & Engineer. v. 35, pp. 321-323. New York, 1900.)

Delmas (Marcel). Notes de voyage sur le développement des applications de l'électricité aux États-Unis et au Canada. (Génie civil. v. 34, pp. 333-335; 349-352; 365-368; 383-387; 406-409; 422-425. Paris, 1899.)

Flood (Thomas W.) Electrical statistics of Boston. Abstract of the annual report for 1898. (Electr. Rev. v. 35, p. 99. New York, 1899)

Foote (Allen R.) Electrical industries in the state of New York. Washington: Govt. Prig. Office, 1894. v. 237-272 pp. pap. 4°. (U. S. Census Office. 11. census.)

Semenza (Guido). Note sulle industrie elettriche negli Stati Uniti. (Atti dell' assoc, elettrotechn. italiana. v. 5, pp. 1-35. *Torino*, 1901.)

#### ACCIDENTS.

Anleitung zur ersten Hülfeleistung bei Unfällen in elektrischen Betrieben. (Elektrotechnische Zeitschr. Jahrg. 20, pp. 728. Berlin, 1899.)

**Kolben** (Alfred). Ueber einen Unfall mit niedrig gespanntem Wechselstrom. (Elektrotechnische Zeitschr. Jahrg. 21, pp. 133-134. *Berlin*, 1900.)

Mesures de sécurité à prendre pour les installations électriques à haute tension, imposées par l'Association des Ingénieurs électriciens allemands. (Bull Soc. belge d'électriciens. v. 16, pp. 105– 119. Bruxelles, 1900.)

Penné (H.) Dangers que peuvent courir les sapeurs-pompiers durant l'extinction d'un incendie où l'on se trouve en présence de forts courants electriques. (Cong. internat. d. sapeurs-pompiers à Paris. Août, 1900. Compte-rendu. pp. 72-79. Versailles, 1900.)

Witz (Aimé). Les victimes de l'électricité. (Rev. d. questions scientif. sér. 2, v. 17, pp. 435-478. Louvain, 1900.)

**Jamieson** (Andrew). Dangers from trolley wires and their prevention. I p. l. (Jour. Inst. of Electr. Engineers. v. 31, pp. 76-89. *London*, 1901.)

—. Dangers from electric trolley wires and other aerial conductors: How they are guarded against in Great Britain. (Cassier's Maga. v. 21, pp. 306-316. New York, 1902.)

Aspinwall (F. P.), and Trotter (A. P.) Death and injury from electric shocks. [Two papers.] (Engineering news and Amer. railway journ. v. 48, pp. 85-88. New York, 1902.)

### IN AGRICULTURE,

Kauksky (K. ) Die Elektrizität in der Landwirthschaft. (Neue Zeit. Jahrg. 19, v. 1, pp. 565-572. Stuttgart, 1901.)

## IN THE ARMY.

Waechter (F.) Die Anwendung der Elektricität für militärische Zwecke. Wien, 1883. (Elektro-technische Bibliothek, Band 15, bd. with Bd. 9.)

Anderson (George L.) Electricity and its applications in artillery practice. Washington: Govt. Prtg. Office, 1893. 65 pp. 8°. (U. S. Adj.-Gen. Offi. Artill. circ. B, 1893.)

Grier (Thomas G.) The use of electricity in the Spanish-American War. (Electrical Engineering and Telephone Maga. *Chicago*, 1898. 8°. v. 12, pp. 129-136.)

#### ELECTROCHEMISTRY.

#### History.

Engelhardt (Victor). Entwicklung und Zukunft der technischen Elektrochemie. (Zeitschr. d. oesterr. Ingenieur- u. Architekten-Vereines. Jahrg. 51, pp. 293-301. Wien, 1899.)

Johnston (R. H.) The development of electrochemistry. (School of Mines Quar. v. 23, pp. 262-280. New York, 1902.)

Muller (P. Th.) Travaux de la Société allemande d'électrochemie. (L'Éclairage Électrique. Paris, 1898. 4°. v. 16, pp. 93-105; 17, pp. 105-108; 310-313; 403-407; 442-447.)

Oettel (F.) Die Entwickelung der elektrochemischen Industrie. (In: Sammlung chemischer und chemisch-technischen Vorträge. Stuttgart, 1896. 8°. Bd. 1, pp. 89-120.)

Ostwald (W.) Electrochemie; ihre Geschichte und Lehre. Leipzig, 1896. 8°.

Perkin (F. Mollwo F.) Advancement of electrical chemistry. (Nature. v. 62, pp. 138-139, 428-430. London, 1900.)

Fortschritte (Die) der Electrochemie und Elektrometallurgie wahrend der letzten 25 Jahre. (Elektrochemische Zeitschr. Berlin, 1898. 4°. Jahrg. 5, pp. 169-174.)

Fortschritte der angewandten Elektrochemie und der Acetylen-Industrie, von F. Peters. 1898. Stuttgart, 1899. 12°.

Borns (H.) The progress of electro-chemistry in 1898. (Engineering and Mining Jour. v. 68, pp. 190-191; 220; 247. New York, 1899.)

Kershaw (John B. C.) Les industries électrochimiques et électrométallurgiques en 1899. (Moniteur scientif-Quesneville. ser. 4, v. 14, pp. 209-217. Paris, 1900.)

Krueger (M.) Die Elektrochemie im Jahre 1800. (Elektrochemische Zeitschr. Jahrg. 6, pp. 229-236. Berlin, 1900.)

- Eie Elektrochemie im Jahre 1900. (Elektrochemische Ztschr. Jahrg. 7, pp. 238-241; 258-262; Jahrg. 8, pp. 11-16; 36-40. Berlin, 1901.)

**Haber** (F. ) Die Elektrochemie auf der Pariser Weltausstellung. (Ztschr. f. angewandte Chemie. Jahrg. 14, pp. 184-192. Berlin, 1901.)

Borns (H.) Die Elektrochemie im Jahre 1901. (Chemische Industrie. Jahrg. 25, pp. 252-255; 287-293; 309-315; 351-357; 377-384. Berlin, 1002.)

#### Periodicals.

Deutsche elektrochemische Gesellschaft. Zeitschrift für Elektrochemie.... hrsg. von W. Borchers. Jahrg. 1-3, 5-date. Halle a S., 1895v. r has title: Zeitschrift für Elektrotechik und Elektro-chemie. Current.

Elektrochemische Zeitschrift. Organ für das Gesammtgebiet der Elektrochemie, Elektrometallurgie, für Batterien- und Akkumulatorenbau, Galvanoplastik und Galvanostegie. Redakteur: A. Neuburger. v. 1-date. Berlin, 1894-date. 4°. N. C.

Current. Jahrbuch der Elektrochemie. Berichte über die Fortschritte des Jahres . . . hrsg. von W. Nernst und W. Borchers. Jahgr. 1-7 (1894-1900).

Halle a. S., 1895-1900.

Jahg. 1-2 have sub-title: im wissenschaftlichen Theile bearbeitet von W. Nernst; im technishen Theile bearbeitet von W. Borchers.

Kalender für Elektrochemiker sowie technische Chemiker und Physiker für das Jahr 1898-01. Hrsg. von A. Newburger, mit einer Beilage. Jahrgang 2-6 (1898-1902.) Berlin [1897-1902].

#### General Works.

Davy (H.) Elektrochemische Untersuchungen (1807). Hrsg. von W. Ostwald. Leipzig: W. Engelmann, 1893. 92 pp., 1 pl. 12°. (Ostwald's Klassiker. no. 45.)

Singer (G. J.) Elements of electricity and electro-chemistry. *London*, 1814. 8°.

Becquerel (A. C.) Eléments d'Électrochimie, appliquée aux Science naturelles et aux Arts. Paris, 1843. 8vo.

Brandely (A.) Die Electrochemie, aus dem französischen bearbeitet von F. Harzer. Weimar, 1849. 12mo.

Becquerel (H.) Electro-chimie. Paris, 1882. 8°. (Encycl. chim. [v. 2]). According to numbering on t.-p., this is T. 1, 2. fasc.

Cohen (E. J.) \*Het bepalen van overgangspunten langs electrischen weg en de electromotorische kracht bij scheikundige omzetting . . . 4 p. l., 100 pp., 3 l., 2 diagr., 1 pl. Amsterdam: Delsman & Nolthenius, 1893. 8°.

Smith (E. F.) Electro-chemical analysis. 2 ed. ... Philadelphia, 1894. 16°.

Jahn (H.) Grundriss der Elektrochemie. x, 311 pp. Wien: A. Hoelder, 1895. 8°.

Ahrens (F. B.) Handbuch der Electrochemie. viii, 540 pp., ill. Stuttgart : F. Enke, 1896. 8°.

Le Blanc (M.) Lehrbuch der Elektrochemie. viii, 226 pp. ill. Leipzig: O. Leiner, 1896. 8°.

Manuel de l'électro-chimiste. Paris : E. Bernard & Cie., 1896. 160 pp. 12°. (Petite encyclopédie électro-mécanique. no. 11.)

Ostwald (W.) Elektrochemie; ihre Geschichte und Lehre. Leipzig, 1896. 8°.

Bucherer (Alfred H.) Grundzüge einer thermodynamischen Theorie elektrochemischer Kräfte. 3 p. l., 144 pp., 1 l. Freiberg: Cras & Gerlach, 1897. 8°. Electro-chemistry, cont'd.

Luepke (R.) The elements of electro-chemistry treated experimentally. Translated from the 2. ed. by M. M. Pattison Muir. London: H. Grevel & Co., 1897. xv, 223 pp. 8°.

Minet (A.) Les fours électriques et leurs applications. Paris: Masson & Cie. [1897?] 178 pp., 1. l. 12°. (Encyclopédie scientifique des aide-mémoire.)

Moissan (H.) Le four électrique. v1, 1 l., 385 pp. Paris: G. Steinheil, 1897. 8°.

Peters (F.) Angewandte Elektrochemie. Bd. 1-3. Wien: A. Hartleben, 1897-98. 12°. (Elektro-technische Bibliothek. Bd. 47-50.)

**Becker** (H.) Manuel d'électro-chimie et d'électro-metallurgie; applications électro-chimiques et électro-thermiques . . . *Paris : J. Fritsch*, 1898. iii-viii, 521 pp. 12°.

**Haber** (F.) Grundriss der technischen Elektrochemie auf theoretischer Grundlage. *München:* R. Oldenbourg, 1898. xii, 573 pp. 8°.

Loeb (W.) Leitfaden der praktischen Elektrochemie. Leipsig: Veit & Co., 1899. viii, 244 pp. 8°.

**Luepke** (Dr. R.) Grundzüge der Elektrochemie auf experimenteller Basis . . . *Berlin : J. Springer*, 1899. xii, 286 pp. 3. ed. 8°.

Arrhenius (S.) Lehrbuch der Elektrochemie . . . aus dem Schwedischen übersetzt von H. Euler. Leipzig: Quandt & Handel, 1901. 2 p. l., vii-viii, 305 pp. 8°.

Schule (Die) des Elektrochemikers. Darstellung der Grundsätze. Hilfsmittel, und Arbeitsverfahren der Elektrochemie. Herausgegeben in Verein mit W. Sander und Stapelfeldt [and others], von A. Holzt. Leipzig: M. Schäfer, 1901. viii, 478 pp. 8°.

Issued in 12 parts.

### Education.

**Foerster** (F.) Welches ist zweckmässig die Rolle der Elektrochemie im chemischen Hochschulunterricht? (Ztschr. f. Elektrochemie. Jahrg. 6, pp. 453-457. *Halle-a-S.*, 1900.)

**Haber** (F.) Die elektrochemischen Einrichtungen des Chemisch-Technischen Instituts der Technischen Hochschule Karlsruhe i. B. (Ztschr. f. angewandte Chemie. Jahrg. 1900, pp. 755-759. *Berlin*, 1900.)

Lorenz (Richard). Über die Ausbildung des Elektrochemikers. (Ztsch.f. Elektrochemie. Jahrg. 7, pp. 201–206. Halle a. S., 1900.)

Cannizzaro (Stanislao). Sull' insegnamento dell' elettrochimica. (R. accad. d. Lincei. Rendic. classe di sci. fis. ser. 5, v. 10, pt. 2, pp. 163-168. Roma, 1901.)

**Foerster** (F.) Nochmals die Stellung der Elektrochemie im Unterricht der technischen Hochschulen. (Ztschr. f. Elektrochemie. Jahrg.7, pp. 461-464. Halle a S., 1901.)

Richards (Joseph W.) A university course in electro-chemistry. (Transac. Amer. Electro-chem. Soc. v. 1, pp. 41-46. *Philadelphia*, 1902.)

Essays.

Martens (). Réflexions sur la théorie électro-chimique de l'affinité et la composition moléculaire des corps. 15 pp. (In: Nouveaux Mémoires de l'Académie royale... de Bruxelles. Bruxelles, 1837. 4°. t. 10.)

Becquerel (A. C.) Recherches sur les causes

qui dégagent de l'électricité dans les végétaux et sur les courants végéto-terrestres. (In: Inst. Français. Acad. scien. mem. v. 23. pp. 35-66. v. 23. 1853.)

— Nouveau mémoire sur la coloration électrochimique et le dépôt de peroxyde de fer sur des lames de fer et de cuivre; — Mém. sur la décomposition électro-chimique des composés insolubles. (In: Paris Inst. Acad. d. scien. v. 32. 1864.)

—— 1er mémoire sur les effets chimiques résultant de l'action colorifiques des décharges électriques. (In: Inst. Acad. d. scien. mém. v. 38. 1873.)

— Mémoire sur la causes des effets électriques produits au contact des métaux inoxydables et autres corps avec différents liquides;—sur l'origine céleste de l'électricité atmospherique;—sur l'influence de la pression dans les phénomènes d'endosmose et d'exosmose, etc.;—Recherches sur la cause des phénomènes lumineux de l'atmosphère, [etc.];—Mém. sur l'emploi des forces électrochimiques et électro-capillaires pour la formation des amalgames cristallisés, etc. (In: Inst. Fr. Acad. scien. mém. v. 38. 1873.)

— rer mémoire sur le mode d'intervention de l'eau et les forces électro-motrices dans les actions chimiques produites pendant le mélange des dissolutions salines [etc.] (In: Inst. Acad. scien. mém. v. 40. no. 3. 1876.)

— Mémoire sur la mesure des affinités, en prenant pour bases les forces électro-motrices;—Nouvelles recherches sur les réductions métalliques par les actions électro-capillaires;—Mém. sur les forces électro-motrices produites au contact de deux liquides séparés par des diaphragmes capillaires;—sur le transport de certains sels par les décharges électriques;—sur les actions électro-capillaires, et l'action de différents liquides sur la peau. (In: Inst. Franc. Acad. scien. mém. v. 41, 1879.) chart.

**Squier** (G. O.) Electro-chemical effects due to magnetization. [Baltimore,] 1893. 8°.

Häussermann ([K.]) Die Elektricität im Dienste der chemischen Industrie. Stuttgart: K. Wittwer [1895]. 16 pp. 8°.

Hemptinne (A. de). Sur l'action chimique des effluves électriques et des rayons de Röntgen, 36 pp. (In: Académie royale... de Belgique Mémoires couronnés et autres mémoires. Bruxelles, 1896-98. 8°. t. 55.)

Archibald (E. H.) On the calculation of the conductivity of aqueous solutions containing sodium chloride and potassium sulphate. (Proc. & Transac. Roy. Soc. of Canada. *Ottawa*, 1897. 8°. ser. 2, v. 3, Transac. Sect. 3, pp. 69-77.)

Hemptinne (A. de). Action des vibrations életriques sur quelques substances. 28 pp. (In: Académie royale... de Belgique. Mémoires couronnés et autres mémoires. *Bruxelles*, 1896—98. 8°. t. 55.)

**Oettel** (F.) Elektrochemische Übungsaufgaben. Für das Praktikum sowie zum Selbstunterricht. viii, 53 pp., ill. *Halle a. S.: W. Knapp*, 1897. 8°.

Richards (Theodore William). On the temperature coefficient of the potential of the calomel electrode, with several different supernatant electrolytes. (Contributions from the chemical laboratory of Harvard College.) Illus. (Amer. acad. of arts and sciences. Proc. v. 33, pp. 1-20. Boston, 1897.)

Electro-chemistry, Essays, contd.

**Foerster** (F.) Sur les essais de transformation de l'énergie chimique en énergie électrique. (Moniteur scientif-Quesneville. *Paris*, 1898. 4°. (v. 52.) sér. 4, v. 12, pp. 461-466.)

Gibson (John). Preliminary note on a characteristic of certain chemical reactions. [Increase of electrical conductivity.] (Proc. of Roy. Soc. of Edinburgh. Edinburgh, 1898. 8°. v. 22, pp. 33-37.)

**Hittorf** (Johann Wilhelm). Über das elektromotorische Verhalten des Chroms. (Kön. Preuss. Akad. d. Wissensch. Sitzungsb. 1898, pp. 193-212. *Berlin*, 1898.)

**Krüger** (M.) Die Erfolge der organischen Elektrochemie. (Elektrochemische Zeitschr. Jahrg. 5, pp. 1-6, 31-39, 52-58, 72-76, 185-190, 240-246: Jahrg. 6, pp. 29-32. *Berlin*, 1888.)

Mewes (Rudolf). Beiträge zur chemischen, insbesondere zur elektrochemischen Theorie. (Elektrochemische Ztschr. Berlin, 1888-99. Jahrg. 4, pp. 121-124, 167-173; Jahrg. 5, pp. 217-223.)

Patterson (Geo. W.), and Guthe (Karl E.) A new determination of the electro-chemical equivalent of silver. I pl. (Physical Rev. New York, 1898. 8°. v. 7, pp. 257-282.)

Richards (Theodore William), and Lewis (Gilbert Newton). Some electrochemical and thermochemical relations of zinc and cadmium amalgams. (Contributions from the chemical laboratory of Harvard College.) (Amer. acad. of arts and sciences, v. 34, pp. 85-99. Boston, 1898.)

Smith (Edgar F.) The electric current in organic chemistry. (Science. Lancaster, Pa., 1898. 8°. n. s., v. 8, pp. 413-423.)

Berthelot (). Actions chimiques exercées par l'effluve électrique sur les composés renfermant du carbone. (Annalcs de chimie et de physique. *Paris*, 1899. 8°. sér. 7, v. 16, pp. 5-31.)

Dennhardt (Rudolf). Ueber Beziehungen zwischen Fluidität und elektrolytischer Leitfähigkeit von Salzlösungen, sowie über die Leitfähigkeit von Oelsäure und deren Alkalisalzen in Wasser bez. Alkoholen bei verschiedenen Temperaturen. I pl. (Annalen d. Physik u. Chemie. Leipsig, 1899. 8°. n. s., v. 67, pp. 325-344.)

Meyer (Stefan). Magnetisirungszahlen anorganischer Verbindungen. *Tables*. (Kais. Akad. d. Wissensch. Math.-naturwiss. Classe. Sitzungsb. v. 108, pt. 2a, pp. 861-898. *Wien*, 1899.)

Minet (Adolphe). L'électrochimie. (Bull. technique. Année I, v. I, pp. 19-51. Paris, 1899.)

Réactions chimiques de l'étincelle et de l'effluve électriques. (Bull. tech. (organe de l'inst. du géne civil), année I, v. 3, pp. 91-114; 185-202; 283-302. Paris, 1899.)

Norden (K.) \*Ueber den Vorgang an der Aluminium Anode. Ein Beitrag zur elektrochemischen Umformung von Wechseltrom in Gleichstrom. [Berlin.] [Halle a. S.: W. Knapp, 1899.] 2 p. l., 80 pp., 2 l. 8°.

Tommasi (M. D.) Sur la loi de proportionnalité de la force électromotrice de décomposition. (Bull. technique. année I, v. I, pp. 153-156. Paris, 1899.)

Berthelot ( ). Sur les combinaisons du sulfure de carbone avec l'hydrogène et l'azote, sous l'influence de l'effluve électrique. (Annales de chimie & de physique. sér. 7, v. 19, pp. 145-150. Paris, 1900.)

**Dony-Hénault** (Octave). Sur la synthese electro-chimique des composés organiques. (Bull. de l'assoc. belge d. chimistes. année 14, pp. 179-202. *Bruxelles*, 1900.)

**Haber** (F.) Graphische Thermodynamik elektrochemischer Prozesse. (Zur Erinnerung an Hanns Luggin.) Zur Physikal. Ztschr. Jahrg 1, pp. 361-371. *Leipzig*, 1900.)

**Kendrick** (Arthur). Die Überführungszahl von Schwefelsäuregemischen aus Messungen am Blei-Akkumulator. (Ztsch. f. Elektrochemie. Jahrg. 7, pp. 52-56. *Halle a. S.*, 1900.)

Ledue (A.) L'équivalent électrochimique de l'argent, du cuivre et de l'eau. (Congrès internat. de physique. 1900, Rapports. v. 2, pp. 440-459. Paris, 1900.)

**Lincoln** (Azariah Thomas). The electrical conductivity of non-aqueous solutions. 7 tables. (Wisconsin acad. of sci., arts and letters. Trans. v. 12. pp. 395-453. *Madison*, 1900.)

Bibliographical references in the foot-notes.

**Pfanhauser** (W.) \*Ueber das elektrochemische Verhalten des Nickelammonsulfates. *Giessen*, 1900. 2 p. l., 65 pp., il. 4°.

Silbermann (Felix). \*Über die elektrochemische Reduktion aromatischer Nitrokörper in saurer Lösung . . . Giessen : O. Kindt, 1900. 54 pp., il. 8°.

**Berthelot** ( ) Sur les conditions de mise en activité chimique de l'électricité silencieuse. (Annales de chimie et de physique. sér. 7, v. 22, pp. 445-457. *Paris*, 1901.)

Crocker (Francis B.) Electrochemistry and electrometallurgy. (School of Mines Quar. v. 22, pp. 119-139. New York, 1901.)

Houllevigue (L.) L'electro-chimie. (La rev. de Paris. 1901, v. 4, pp. 605-626. Paris, 1901.)

Jones (Harry C.) Selected chapters in electrochemistry. (Electr. Rev. v. 39, pp. 65-68; 93-97; 121-124; 150-152; 182-185; 209-213; 273-277; 303-307; 339-342; 372-376; 402-405. New York, 1901.)

Legrand (Emmanuel). Conductibilité électrique de certains sels et du sodium dissous dans l'ammoniaque liquéfiée. (L'éclairge électr. v. 26, pp. 88-98. *Paris*, 1901.)

**Nornst** (W.) Ueber die Bedeutung elektrischer Methoden und Theorien für die Chemie. (Naturwissenchaftliche Rundschau. Jahrg. 16, pp. 609-612; 625-628. *Braunschweig*, 1901.)

Mueller (Wilhelm). \*Hydrolyse des Natriumphenats beim Siedepunkt seiner wässrigen Lösungen . . . [Giessen.] Weimar: R. Wagner Sohn, 1901. 69 pp. 8°.

Nornst (W. ) Ueber die Bedeutung elektrischer Methoden u. Theorieen für die Chemie . . . Gottingen: Vandenhoeck & Ruprecht, 1901. 26 pp. 8°.

Electro-chemistry, cont'd.

— (Physikal. Ztschr. Jahrg. 3, pp. 63-70. Leipsig, 1901.)

**Reed** (C. J.) Electrochemical action. (Jour. Franklin Inst. v. 151, pp. 369-393; 401-413. v. 152, pp. 46-58. *Philadelphia*, 1901.)

**Brochet** (André). L'industrie electrochimique. (Rev. scientif. sér. 4, v. 17, pp. 321-331. *Paris*, 1902.)

**Locks** (James). Electro-affinity as a basis for the systematization of inorganic compounds. (Amer. Chem. Jour. v. 27, pp. 105-117. *Baltimore*, 1902.

**Rio Joan** (Francisco del). Verificación de amperímetros por el método electroquímico. (Mem. de ingen. del ejército. año 57, ser. 4, v. 19, pp. 14-19; 33-42; 65-72; 100-106, 129-136; 161-167; 193-199. *Madrid*, 1902.)

## Laboratories.

Notice sur le laboratoire de la Compagnie Electro Metallurgique des procédés Gin et Leleux. (Cong. internat. de l'acétylène. 3rd. 1900. Rapports, etc. pp. 131-134. Paris, 1901.)

R. ( ) Das elektrochemische Laboratorium an der Universität von Pennsylvania. (Elektrochem. Ztschr. Jahrg. 8, pp. 193-197. Berlin, 1901.)

## PRINCIPAL ACCESSIONS IN NOVEMBER.

## GENERAL WORKS.

Brockhaus (F. A.) Brockhaus' Konversations-Lexicon. Bd. 10. Leipzig, 1902. 4°. Copinger (W. A.) Supplement to Hain's

Copinger (W. A.) Supplement to Hain's Repertorium bibliographicum. part 2, vol. 2. London, 1902. 8°.

**Kroeger** (A. B.) Guide to the study and use of reference books. *Boston*, 1902. 8°.

New (The) international encyclopædia. v. 3. New York, 1902. 4°.

# BIOGRAPHY AND GENEALOGY.

# Alphabetical, by subjects.

Marsh (L. B.), and Barker (Mrs. H. M. K. F.) Bronsdon and Box families. Lynn, 1902.

Alderson (B.) Andrew Carnegie. New York, 1902. 8°.

Morrison (G. A.), jr. Clarke genealogies. New York, 1902. 4°.

**Crispin** (Rev. W. F.) A biographical and historical sketch of Captain William Crispin. Akron, O., 1901. 8°.

**Perry** (C. B.) Charles D'Wolf of Guadaloupe, his ancestors and descendants. *New York*, 1902. 8°.

Smith (T.) Euclid. New York, 1902. 12°. (The world's epoch-makers.)

Gunby (A. A.) Colonel John Gunby. Cincinnati, 1902. 8°.

**Hammond** (F. S.) History and genealogies of the Hammond families in America. v. 1. Oneida, N. Y., 1902, 8°.

Lancaster (H. F.) The Lancaster family. Columbia City, Ind., 1902. 8°.

Halstead (M.) William McKinley. Oversat fra Engelsk af P. O. Strömme. Chicago, 1901. 8°.

Carey (E. L.) William Morris. New York, 1902. 8°.

Clark (W.) Pascal and the Port Royalists. New York, 1902. 12°.

(The world's epoch-makers.)

Recke (E. C. C. von der), geb. v. Medem. Elisa von der Recke. Hrsg. von P. Rachel. Leipzig, 1902. 2 v. 8°.

Channing (Rev. W. E.) Thoreau. New ed. Boston, 1902. 8°.

**Train** (G. F.) My life. New York, 1902. 12°.

Webster (D.) The letters of D. Webster. New York, 1902. 8°.

Lazell (T. S.) Whiting genealogy. Boston, Mass., 1902. 8°.

### AMERICA.

Gale (E. O.) Reminiscences of early Chicago and vicinity. *Chicago*, 1902. 8°.

Lotto (F.) Fayette County, her history and her people. Schulenburg, Texas, 1902. 8°.

MacDonald (W.) The government of Maine. New York, 1902. 12°.

(Handbooks of Amer. government.)

Martzolff (C. L.) History of Perry County, Ohio. New Lexington, O., 1902. 8°.

**Moore** (C. B.) Certain aboriginal remains of the northwest Florida coast. Pt. 2. *Philadelphia*, 1902. f°. Gift of the author.

Richman (I. B.) Rhode Island. New York, 1902. 2 v. 8°.

Strait (N. A.) Alphabetical list of battles, 1754-1900. Washington, D. C., 1902. 8°.

Trueman (H.) The Chignecto Isthmus. To-ronto, 1902. 12°.

Van Tyne (C. H.) The loyalists in the American revolution. New York, 1902. 12°.

Wilson (R. R.) New York, old and new. New York, 1902. 2 v. 8°.

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Subscription One Dollar a year, single numbers Ten Cents. Subscriptions may be sent to I. Ferris Lockwood, Business Superintendent, No. 40 Lafayette Place, New York.

Entered at the Post Office at New York, N. Y., as second-class matter, January 30, 1897, under Act of July 16, 1894.

